REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

AUGUST
1988
2.50

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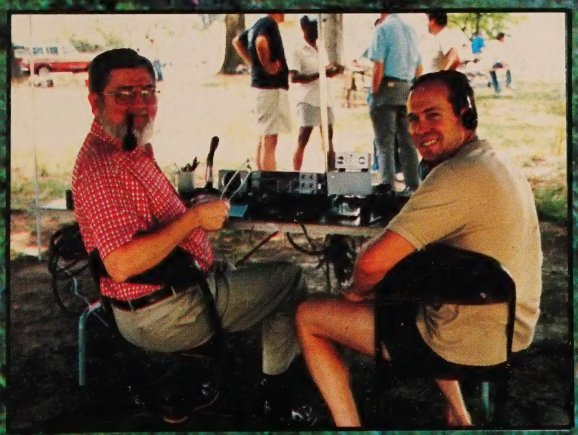

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ON THE COVER

June is a busy month. The ARRL VHF QSO party and Field Day provided time for clubs and individuals to get out, set up, and work at scoring points in contests. Our cover picture is a scene from the N8FMD group set up on the 4,863 ft. peak of Spruce Knob in West Virginia. The inset shows members of the Winston-Salem, N.C. club in Field Day activities. Color ctsy.: Rick Gillespie, N8HON and David Ward, KA4LVO.

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REPEATER JOURNAL

CVRA - SouthEastern Repeater Association, Inc.

Aug., Sep., Oct. 1988
Volume 17, No. 3
Organized in 1971
"In Our 17th Year"

Editorial Comment

The Voice In The Wilderness Is Calling!

Listen! Don't you hear it! Amateur radio operators are calling for help. Clubs are calling for help. Coordination councils are calling for help.

The FCC is de-regulating us to death. We have suddenly found out that de-regulation in Amateur Radio does not work.

If you take time to read and keep up with what's going on in Amateur Radio today. . . it will scare you to death!

Hams are suing hams, coordination councils are being sued, ARRL officials are being sued, coordination councils are being challenged by other coordination councils for territorial rights.

Why is this all happening? Deregulation plays a large part of it. Basically the FCC has turned their back on Amateur radio coordination, which basically is one of the reasons for many of the suits going on in the country.

We have seen it coming for a couple of years now, when the FCC first refused to back coordinators, telling them to work things out for themselves, then when the famous Kowalski statement came out saying "the FCC sees no reason that two coordination identities should not be able to co-exist in a same geographical area."

If we get challenged for coordination in an area by someone who is unhappy with the way we do things -- we have no recourse. If they can show "substantial support from the Amateur community" they can be a coordinator. It has even come out that the support doesn't even have to be from the same community they wish to coordinate – just substantial support. And the FCC will give them same jurisdication and backing as the established council.

What is "substantial support".? So far, no one has been able to accurately define this. An ARRL official at the Dayton Frequency Coordinator's conference suggests that the ARRL could hold nationwide elections to determine just who is recognized by the Amateur Repeater Community as their official Coordinator. Good Luck!

The main flaw with this proposal, they suggest a referendum from repeater owners only. What about proposed new repeater owners, and the **repeater users?**

Secondly, I don't believe the response from a nationwide referendum would receive enough participation from the Amateur community to even justify the massive cost for such an undertaking, let alone cement the identity of individual coordinating councils firmly to satisfy the FCC.

Add to this, the requirement of having to hold additional referendums every few years, to encompass new people who have come into the Amateur community, and the cost will even go higher.

We wonder where ARRL would get the money for such an undertaking?

Aside from the FCC, the ARRL dealt a severe blow to the established coordinators earlier this year too. It has been common knowledge, and acknowledged by the FCC that the ARRLs National Repeater Directory is the "Bible" the FCC goes by.

To prevent any problems with "self proclaimed" coordination councils, the

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REPEATER JOURNAL

Aug., Sep., Oct. 1988

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About Associate Membership

Repeater users and Amateurs are invited to join SERA as Associate Members. A membership fee of $6.00 per year will enable members to support the organization and receive the "Repeater Journal". Associate Membership deadlines are on the 15th of the month preceding months of publication — Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Winston-Salem Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive next to be published Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships are limited to one year duration at $10.50 per year. HOT-P, your Journal is mailed on Friday FIRST CLASS mail. Regular memberships are mailed on MONDAY, Third Class Bulk. SERA does not issue receipts for Membership applications. Members should wait until next Journal comes out to report any problems to the Associate Membership Chairman, P.O. Box 24292, Winston-Salem, N.C. 27114-4291. Associate Members may hold appointive positions within SERA.

About Full Repeater Membership. . .

Officers and Directors are elected from repeater representatives who are Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members receive the Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index. Full Memberships all expire on December 31 of each calendar year.

About the Repeater Journal. . .

The SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of Southeastern Repeater Association, a seven state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month. ONE MONTH prior to publication. News deadlines are the first of the month prior to publication month. The REPEATER JOURNAL is entered as Third Class Mail at the Post Office in Greensboro, N.C. Cover price for the REPEATER JOURNAL is $2.50. All news and Newsletter exchanges should be mailed to the editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

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About SERA. . .

The Southeastern Repeater Association is one of the largest Non-Profit Repeater Councils in the United States. SERA Territory covers over 1,000 repeaters in member states of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, East Kentucky and Georgia. In our 17th year, our goal is to continue providing a pleasant operating condition in the VHF/UHF spectrum of Amateur Radio through Coordination and information.

SERA Board To Meet In August

The SERA Board of Directors, Officers and Appointees will meet this month on a date and place to be announced.

At the top of the agenda will be the selection of a nominating committee to nominate a Director and Vice-Director for each of the seven SERA Districts. The newly elected Directors and Vice-Directors will take office January 1.

As required by the by-laws, the nominating committee will forward their recommendations to the Secretary, who will in turn give them to the Repeater Journal for publication in the November Journal. The Journal will also publish an "at large" nomination form, to enable any group who wishes to make a nomination for Director & Vice-Director from their State, the option to do so.

Two points should be remembered, when nominating someone for these offices, (1) they must have been a Full Member of SERA since the first quarter of 1988, and their written permission must be obtained to be nominated. These new changes, were among several made in the SERA by-laws in 1987, to eliminate confusion and to get only persons who wish to hold an office nominated. (Other changes involved mainly deadlines for balloting, etc., in case of elections, giving persons more time to mail out ballots, count them, and report them.)

Other topics on the agenda at the meeting, will certainly cover items concerning the copyrighting of the SERA Repeater Index, and the organizations future support of the National Data Base.

Full Members of SERA should begin looking now and see if a qualified person is available that they feel would do a good job running their State as Director and Vice-Director. Both jobs are becoming vitally important since the FCC continues to place de-regulation on Amateur Radio, and continue to not clarify volunteer coordination ideals in the Amateur ranks.

If you feel such a person is available in your area, and he would consider running for office, contact your local Director as soon as possible and make your suggestion known before the meeting.

Keep in mind, only Full Members, in good standing of SERA are eligible to hold office, and to vote.

KA4VXN Graduates From Air Force Academy

Van Allen Wimmer, Jr. - KA4VXN, from Roanoke County Virginia graduated from the U.S. Air Force Academy on June 1, 1988. Allen is the son of Van - WA4BIX & Rose Wimmer - WA4TLH. He has a brother Jeffrey - KA4VXM who is a senior at the academy and Michael - KA4VXO who is in the 11th grade.

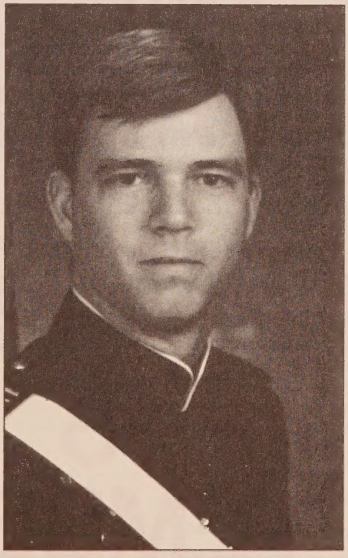
Allen was a member of the Air Force Academy flying team for 3 years and was the team captain during his senior year. The flying team represents the Air Force in intercolligate competition.

At the Regional SAFECON (Safety Conference) Competition Allen received an award for Top Pilot, the outstanding pilot overall in the competition.

Allen received an award for outstanding CIC (Cadet In Charge) Of The Year of his graduating class for his leadership as captain of the Flying Team.

During graduation Allen received an individual award for Outstanding Graduate In Powered Aircraft.

Allen was active in the Academy's Amateur Radio Club which operates an autopatch on campus. This meant that Allen was one of a few cadets that had a telephone in his room via amateur radio.



VAN ALLEN WIMMER

Allen has been assigned to EURO-NATO Joint Jet Pilot Training at Sheppard Air Force Base in Wichita Falls, Texas. His training will begin with T37 & T38 Jets.

Amateur Radio Receives Congressional Support

Amateur Radio received support from Congress with a resolution introduced in both the House and the Senate. The "Sense of Congress" resolutions supports Amateur Radio and its frequency allocations as vital for emergency communications and public safety purposes. The Senate Concurrent Resolution 127 and House Concurrent Resolution 317 are critical of the FCC and Docket 87-14 which proposes taking the lower 2 mhz of the 220 band for business use.

"Sense of Congress" Resolutions are not legally binding, but do indicate Congressional opinion on a subject. There is no debate, and usually no need for a "mark-up" session by committee. In order for a Resolution to pass, a majority of each house must agree to be cosponsors -- 218 Congressmen and 51 Senators.

Amateurs should contact their Congressman and Senators and ask them to support Senate Concurrent Resolution 127 and House Concurrent Resolution 317. Your letter should emphasize the public service aspect of Amateurs in your area. News stores about activities should be included.

1989 Hamfest Lists

Hamfest sponsors are reminded to get their 1989 dates to the Repeater Journal before October 1st, to be included in the free 1989 Hamfest Listing to be published in the November Journal.

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_____ COMMERCIAL BOOTH $50.00 FOR BOTH DAYS (INCLUDES ELECTRICITY) $ _____

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VE EXAMINATIONS

— Compiled via VEC Announcements

The Repeater Journal will publish authorized VE examination schedules quarterly in each issue. VECs and VEs are encouraged to use this vehicle to publicize their examination schedules FREE of charge. Send schedules to the Repeater Journal editor. Deadlines are 1st of Month prior to month of publication.

TEARC Exam Dates:

Kernersville, N.C.
1st Saturday each month
Kernersville Public Library
Time: 9:30 A.M. - Exam Fee $4.50
Walk-ins allowed.
Contact Bob Gates, KJ4IC
Home Telephone: 919/996-5196

Lexington, N.C.
Aug. 20 - Oct. 15
Lexington Recreation Center
Time: 9:00 A.M. - Exam Fee $4.50
Walk-ins allowed.
Contact Rae Everhart, K4SWN
Home Telephone: 704/249-8734

Peachtree City, Ga.
October 1 - November 5 - December 3
Peachtree City City Hall
Time: 8:00 A.M. - Exam Fee $4.50
Walk-ins allowed.
Contact Veronica Hicks, N4ODI
Telephone: 404/927-6296

For exam information in Wilmington, N.C. area, contact Don Conaway, AF4J - Telephone 919/791-9460.

For information concerning other exam sessions, call Jim Williamson, 919/869-6637.

SOUTH CAROLINA
COLUMBIA

WCARS/VEC exams will be held in Columbia, with walk-ins accepted. Exams start promptly at 9:00 a.m. For complete information contact: Ray Rogers, N4WR, P.O. Box 550, Chapin, South Carolina 29036. Phone: (803) 345-3373.

Schedule

August 20
October 15 December 17

WEST VIRGINIA
CHARLESTON

The Kanawha Valley, W5YI/VEC group will administer examinations, novice through Extra class beginning at 9:00 a.m. at Holy Trinity Catholic Church in Nitro. No Pre-registration required. For further information, the St. Albans 40-00 repeater will be available for talk-in.

Schedule
2nd Saturday Every Month

WEST VIRGINIA
BLUEFIELD

W5YI/VEC walkin exams begin at 9 a.m. on dates listed. Please bring appropriate materials and information when you come. For complete information Call: (703) 326-2411. The fee for examination is $4.55.

Schedule
Satruday - August 13
Saturday - November 12th

WAVE Exams - Raleigh, N.C.

The Wake Amateur VEs are conducting examination sessions at St. Augustine's College, Fine Arts Bldg. at 8:00 a.m.

Pre-registration is requested, however limited walk-ins accepted up to 30 minutes prior to exam time.

Pre-register: J.M. Johnson, WM4P, 2118 Lyndhurst Dr., Raleigh, N.C. 27610.

Raleigh Schedule: Aug. 13

Color Slides Needed

The Journal staff is still looking for good colorful slides for possible publication on the front of upcoming Journals. The slides should preferably be vertical, and cover untimed events in Amateur Radio. Timed events generally take precedence in publication, if none has already been scheduled for that issue.

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Winston-Salem Holds First Ever Hamfest

by Jim Rodgers, N1DRI

Putting on a hamfest is a scary task. But add to that the fact that you are new to the club and this is the club's first hamfest, plus there being no guarantees, panic sets in. I'm sure others have felt the same way. Since none of us had much experience with hamfests we just jumped in and prayed for the best. We formed subcommittees, did a lot of brainstorming and before we knew it, June 11th was here. I figured I was safe when none of the club members showed up with a lynching rope.

Our First Annual Winston-Salem Hamfest, Computer & Electronics Fair sponsored by the Forsyth Amateur Radio Club was a success by all accounts. We had some problems and for that we apologize. We made notes of all the suggestions and comments passed on to us so that we can improve next year.

I'd like to thank everyone in the Forsyth Amateur Radio Club for all of their help and many hours of planning and preparation. Thanks also go to Wayne Williams, K4MOB for his priceless advice and support and Leon Williamson, N4FAU for running our concessions. Last and most of all I thank you our patrons for supporting our first hamfest. We are looking forward to seeing you at the Second Annual Winston-Salem Hamfest, Computer & Electronics Fair on June 10, 1989. It looks to be even bigger and better.

Dublin Hamfest Is Cancelled

Kermit Jackson, WA4YRH, president of the New River Valley ARC hamfest held each year at Dublin will not be held this year.

He said the club voted not to hold a show in 1988.

Director Will Help

If you have a problem with your repeater, whether it be interference or technical, contact your State Director. He may be able to help, or advise where you can get assistance.

Your State Director is "the SERA boss" in your State. Let him know your feelings. Don't hestitate to ask him

Spruce Pine Site For New Hamfest

The Mayland ARC announces their first annual Spruce Pine (NC) hamfest on Saturday, September 24th.

The 9 a.m. show will be held at Harris Middle School, 1/4 mile off Hwy. 19E on Greenwood Road in Spruce Pine. The enclosed hamfest will feature dealers, flea market, food and Bingo.

Walk-in FCC exams will be conducted for all class licenses beginning at 10 a.m.

Further information may be obtained by contacting: Dave Gillespie, WA4LLR, P.O. Box 788, Micaville, N.C. 28755, or call (704) 675-9942 after 6 p.m.

Rock Hill Hamfest Moves to October 16

The York County ARS has announced that the annual Rock Hill (SC) Hamfest date has been moved up 2 weeks this year, due to a conflict in securing the usual location.

The new date is October 16th instead of the usual first Sunday of October.

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BENEFITS FOR YOU: QST, QSL Bureau, Awards (DXCC, WAS, etc.), Low Cost Insurance, Operating Aids, Government Liaison and more—Much more! For You!

Mail This Application To

USE THIS COUPON OR A FACSIMILE AND MAIL TODAY.

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Gay E. Milius, Jr., W4UG
Director, Roanoke Division
1416 Rutland Drive
Virginia Beach, Va. 23454

In Delta Division,
Joel M. Harrison, Sr., WB5IGF
Director, Delta Division
Rt. 1, Box 219B
Judsonia, Ar. 72081

Ctsy. SERA Repeater Journal

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Street _____

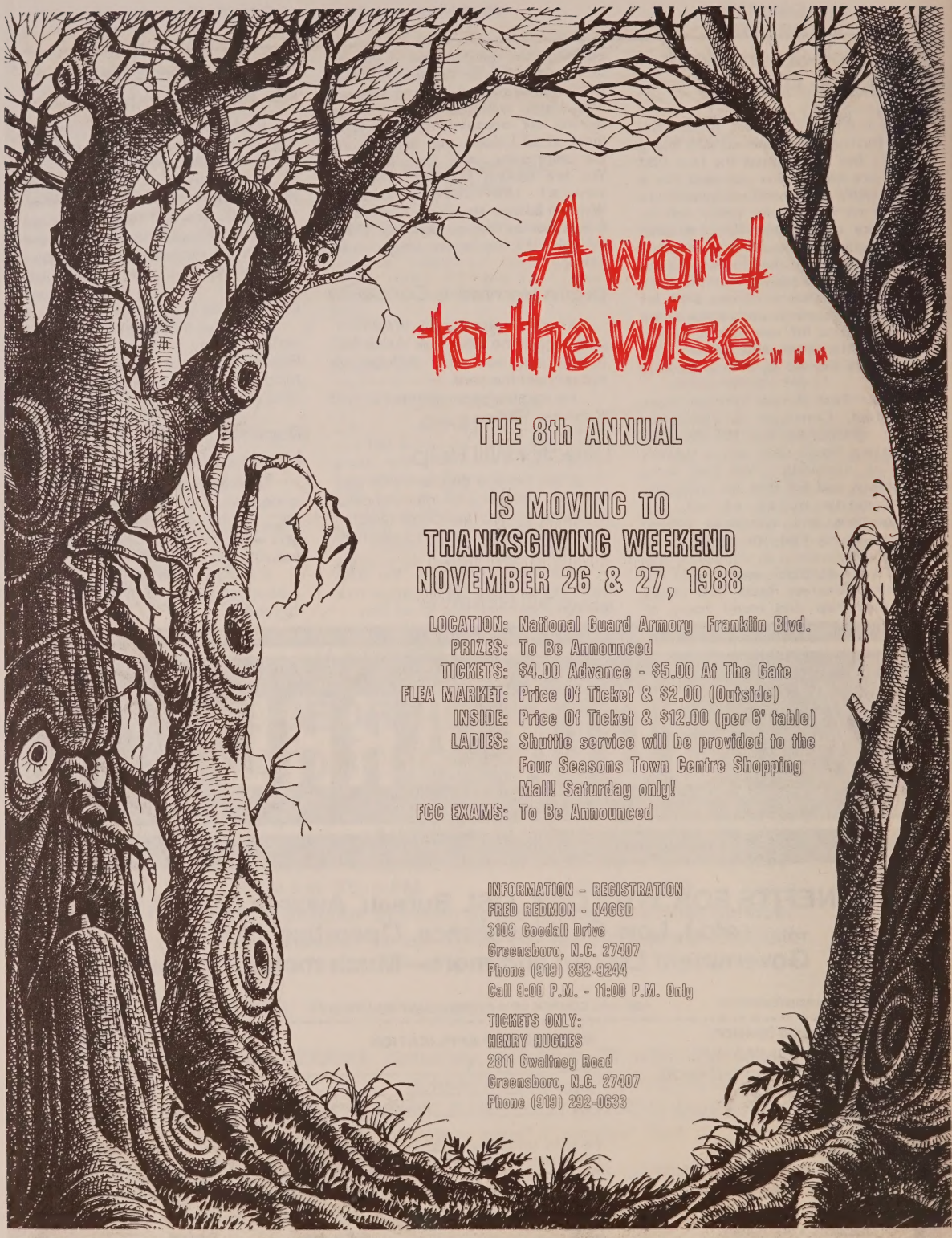
City _____ Prov./State _____ PC/Zip _____

$25 in U.S. $33 elsewhere (U.S. funds) Licensed amateurs, or age 65 or over, upon submitting proof of age, may request the special dues rate of $20 in the U.S. $28 elsewhere, in U.S. funds) Persons age 17 and younger may qualify for special rates, write for application.

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA _____ Expires _____

_____ Bank. No. _____ Expires _____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NOVEMBER 26 & 27, 1988
LOCATION: National Guard Armory Franklin Blvd.
PRIZES: To Be Announced
TICKETS: $4.00 Advance - $5.00 At The Gate
FLEA MARKET: Price Of Ticket & $2.00 (Outside)
INSIDE: Price Of Ticket & $12.00 (per 6' table)
LADIES: Shuttle service will be provided to the Four Seasons Town Centre Shopping Mall! Saturday only!
FCC EXAMS: To Be Announced
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3109 Goodall Drive
Greensboro, N.C. 27407
Phone (919) 852-9244
Call 9:00 P.M. - 11:00 P.M. Only
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2811 Gwaltney Road
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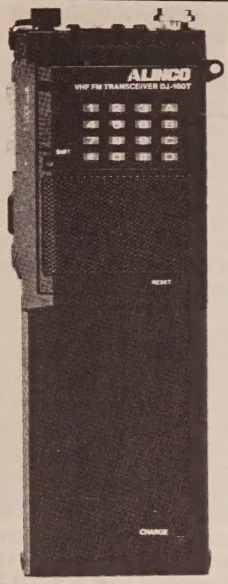

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With ALINCO's advanced engineering and technology, the ALR-22T (Output: 25W) and ALR-22HT (Output: 45W) 2m FM Transceivers as well as the ALR-72T (Output: 25W) 70cm FM Transceiver are designed to be the ultimate in compact size and power. An impressive array of features gives maximum flexibility in mobile installations.

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ALD-24T (25 Watts on both bands) has all the features as 22T, 22HT, 72T plus Cross Band full duplex.

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- **Ultra-Compact**
  5-1/2" W x 1-9/16" H x 6-1/2" D, an ideal size for installation in today's compact automobiles.
- **Large LCD**
  Highly visible front Panel LCD is designed for easy viewing.
- **21 Memory Channels**
  21 fully programmable memories. All offsets, encode and decode information and "locked out" memories can be programmed.
- **High RF Output**
  Provides a powerful 25 watts (or 45 watts with ALR-22HT). RF output power with a low power setter of approximately 5 watts.
- **Dual Digital VFOs**
  Features dual digital VFOs, with front panel selection. The two VFO's tune independently.
- **Memory Scan and Programmable Band Scan**
  - SCAN Button initiates memory scan. Skips memories in which no data is stored or are locked out.
  - UP or DOWN buttons on the microphone initiates band scan in the appropriate direction. Two selectable frequencies can be stored independently for scanning limits, if so desired.
  - In both memory and band scan, scanning stops on the busy frequency and automatically resumes 2 seconds after signal ceases.
- **Priority Function**
  With priority function selected, the unit scans back to the memory channel selected to monitor activity.
- **Easily Programmable Repeater Offsets**
  +/-600KHz: (ALR-22T and ALR-22HT) + /-5MHz: (ALR-72T) or simplex are selected by the front panel offset button.
- **16-Key Autopatch Up/Down Microphone**
  Encodes 16 DTMF tones. Up/Down switches provide step frequency change or initiate band scan.
- **Standard Tone Squelch — not an add-on option as with other manufacturers.**
- **Easily programmed Non-Standard Offset Frequency.**
- **Unit can be used for CAP or MARS operation with no modifications.**

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The View From The Peak

— by George Hinds, N8CIX/0
Special To The Journal

This is the summer thunderstorm season here along the Front Range of the Rockies -- a time when somewhere nearby, if not overhead, there'll be a threatening cloud, spectacular cloud-to-ground lightning, and brief heavy rain below 11,000'. Above that, as we look upon Pikes Peak rising just a few miles from our home (which is 8,500'), the unwary driver climbing the Peak road to the summit will be pelted with hail or shiver in a snowstorm even though when he left the base of the mountain the temperature was 70 degrees.

The locals know that the time to do any mountain climbing is in the morning before the onset of thunderstorms in the afternoon at this time of year. While I'm driven to the summit under almost every condition, I usually advise visitors not accustomed to high mountain driving to take the Manitou & Pikes Peak RR diesel trains to the 14,110' summit rather than the road. Occasionally, people driving the road under difficult weather conditions "chicken out" and refuse to go further - in such cases, they are rescued by highway patrolmen; if they've reached the summit, they take the railroad down while whomever from their group is not afraid to drive takes the car down to meet them.

This is also the season for amateurs all along the Front Range to watch for local severe storms and flash flood conditions; the SKYWARN program is alerted at such times using as primary communications the two high-elevation repeaters, one at Denver (.94) located at 11,500'; the other at Colorado Springs (.97) at over 14,000'.

Colorado has tornadoes, too. While a tornado here in the mountains is possible, it is a fact that 95% of Colorado tornadoes take place in the "flat country" east of Interstate 25, which extends along the Front Range through the state between Wyoming and New Mexico.

In the last ten years the number of tornadoes being reported has been on the increase. The accuracy of severe storm and tornado reporting has increased markedly with the increase in weather spotters and the continual upgrading of the amateur radio SKYWARN program.

Lightning in Colorado, and especially in the mountains, can be beautiful to behold (especially if you've got your gear protected!). People are killed each year because of lightning; the most recent was a mountain climber who was struck while clinging to a rock wall during ascent a few weeks ago; his companion was seriously injured. Colorado, in fact, is among the top three areas in the nation insofar as the frequency of lightning strikes. So, if you come to the mountains to vacation, remember about staying away from high points, or being a high point yourself, when that otherwise beautiful display of lightning occurs. . .

A Gift of The Journal

The Repeater Journal makes a nice gift for a ham friend. Why not turn to the Associate Membershp application on page 39 and send in his name and address. You'll be doing him a good turn and you'll support SERA.

June QSO Party on Spruce Knob, WV

Erecting towers for the June VHF QSO party, members of the West Virginia N8FMD group had multiple antennas for 6M, 2M, 220 and 432. Several West Virginia hams operated from the Spruce Knob location for the weekend. (Photo ctsy: Rick Gillespie, N8HON.)

The West Virginia group operating under the call of N8FMD have everything in readiness for the June VHF QSO party. The group journeyed to the top of Spruce Knob, the 4,863 foot tallest peak in West Virginia. Observe the four towers installed for operation. These fellows were serious!

Mobile Communications Center For Virginia ARA

The new blue and white GMC coach stands ready for the finishing touches by club members of VARA. The unit is planned for demonstrations of Amateur Radio, and most especially for emergency communications. (photo ctsy: Doug Mayo, WA4SFL)

— by Doug Mayo, WA4SFL

She's a beauty! We're talking about our new blue and white Mobile Communications Center. The new air conditioned motorized unit is proudly owned by the Virginia Amateur Radio Association.

Inside the GMC motor coach, will be installed rows of Amateur radio gear, capable of sending and receiving traffic for the City or State in cases of emergencies. The unit sports a generator, and will have telescoping towers with antennas for long range communications.

We're still a ways from getting it like we want it, but we have made the financial committment to achieve our goal of a first class communications center that we can be proud of, and will exhibit Amateur Radio to the public as we drive around, or set up for an emergency.

We plan to use it for demonstrations and exhibitions to the public allowing the club members to show people just what Amateur Radio capable of.

The VARA club has the spirit to complete the job, and are really looking forward to the day, when our shiny new mobile communications center will be completed and ready to use, whenever or wherever we may be needed in the area.

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SERA Financial Report

— by Ray Adams, N4BAQ, Treas.

SouthEastern Repeater Association, Inc.

FINANCIAL REPORT FROM JANUARY 1 TO JUNE 30, 1984, 1985, 1986, 1987, AND 1988

REVENUES	1984	1985	1986	1987	1988
Advertising	$ 3,518.00	$ 4,117.85	$ 3,374.25	$ 3,586.50	$ 4,154.50
Associate Membership dues	4,613.00	5,691.88	5,703.00	6,766.50	6,720.00
Full Membership dues	1,374.00	2,413.00	2,239.00	2,633.00	3,173.00
Decals	-0-	110.00	39.00	16.00	116.50
Postage - includes HOT P	-0-	48.50	121.00	148.50	81.00
Hats	-0-	-0-	57.37	33.00	36.00
Contributions	-0-	-0-	182.00	102.00	-0-
Interest	-0-	-0-	115.97	210.39	294.59
Other	29.75	6.50	61.14	14.00	12.00
	$ 9,534.75	$12,387.73	$11,892.73	$13,509.89	$14,587.59
EXPENSES					
Journal mailing	$ 1,223.85	$ 1,015.67	$ 1,833.08	$ 1,303.28	$ 1,359.16
Journal printing	7,918.75	7,893.41	6,191.24	8,572.22	8,225.06
Miscellaneous	2.35	541.32	-0-	59.95	25.00
Travel and meetings	534.19	768.68	1,074.20	1,410.43	261.01
Office expenses	8.67	175.22	-0-	35.00	187.08
Postage-other than journal	69.12	144.45	172.66	121.43	410.89
Printing-other than journal	62.80	813.27	10.36	543.50	254.24
Telephone	129.66	219.97	322.27	145.51	539.18
	$ 9,949.39	$11,571.99	$ 9,603.81	$12,191.32	$11,261.62
REVENUE OVER (UNDER) EXPENSES	$(414.64)	$ 815.74	$ 2,288.92	$ 1,318.57	$ 3,325.97
Balances, beginning of year					
Expenses advanced	$ 800.00	$ 900.00	$ 950.00	$ 900.00	$ 900.00
Invested in office machines	1,792.00	1,344.00	896.00	2,571.63	1,696.00
Cash in bank	2,507.39	1,413.04	2,107.05	5,690.15	7,252.05
	$ 5,099.39	$ 3,657.04	$ 3,953.05	$ 9,161.78	$ 9,848.05
EQUITY TO ACCOUNT FOR	$ 4,684.75	$ 4,472.78	$ 6,241.97	$10,480.35	$13,174.02
Less: Expenses advanced	$ 900.00	$ 900.00	$ 300.00	$ 900.00	$ 900.00
Invested in office machines	1,792.00	1,344.00	896.00	2,571.63	3,053.29
	$ 2,692.00	$ 2,244.00	$ 1,196.00	$ 3,471.63	$ 3,953.29
CASH IN BANK	$ 1,992.75	$ 2,228.78	$ 5,045.97	$ 7,008.72	$ 9,220.73

Technical

Hamtronics REP 100 Problems

— by Jim Abercrombie, N4JA
Ga. Director, SERA

I became a repeater owner in June , 1983, having been given the use of a VHF Engineering repeater until I could purchase one or build my own system. I bought the Hamtronics kits one by one and finally assembled them into a working repeater. Running a repeater is not as easy as I imagined. I ran into problems I never dreamed existed.

The problem with trying to get a repeater to work properly lies in the repeater transmitter. Every transmitter has its fundamental signal which can be eliminated from the receiver front end by notch filters. It also has harmonics and spurious signals, which normally cannot be detected away from the transmitter, but are quite strong at the repeater site owing to the proximity of the receiver. A more serious problem lies in the wideband noise which falls on either side of the carrier. This noise can be louder than weak incoming signals and may completely mask them while the repeater transmitter is up. The signals may be completely full quieting if received on site with the repeater transmitter disabled. This wideband noise is caused by low frequency thermal noise being amplified and mixed with the carrier. RF transistor devices have extremely high gain at low frequencies, many times the gain they have at VHF.

My search for solutions to problems I was having with my repeater caused me to go in circles for about two years. I would be fooled in believing I had found the problem and had it fixed only to be disappointed later when the same problem returned with a vengance. Or a completely new problem would surface. I cannot remember who first gave me a clue to what was happening, but once I realized the source of the problem, it was a matter of a few months or so until I had tamed the beast.

The easy solution would have been to buy a Motorola or some other used commercial equipment. Here in Augusta the availability of cheap surplus commercial VHF and UHF repeater gear is non-existant. The commercial dealers buy up all the used gear and store it in warehouses to use for parts or to sell to commercial users at high prices. Since VHF Engineering is no longer making repeater gear, and poor souls like myself cannot afford 3000 dollar machines, that leaves Hamtronics as the only manufacturer offering

Continued on Page 13

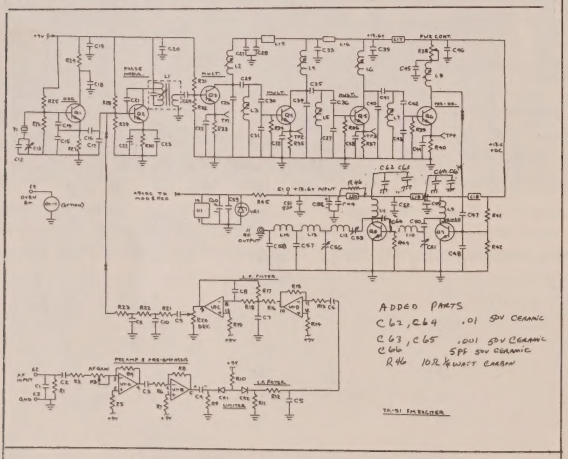


FIG 2

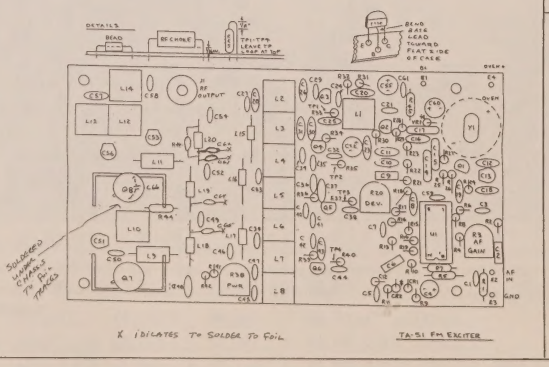


FIG 3

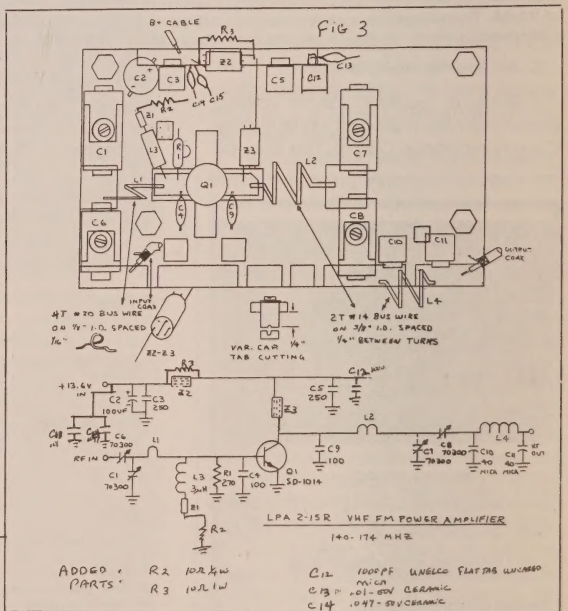
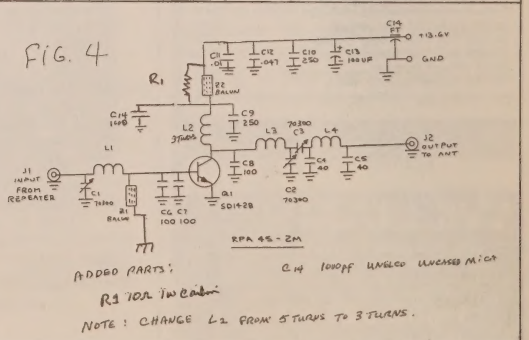

8+ CABLE
#T #20 BUS WIRE ON ¼" I.D. SPACED ¼"
RZ-23
VAR. CAP TAB CUTTING
2T W #14 BUS WIRE ON ⅜" I.D. SPACED ¼" BETWEEN TURNS
+13.6V IN
RF IN
Q1 2SD-1014
ADDED PARTS: R2 10Ω ¼W
R3 10Ω 1W
C12 100PF UNELCO FLAT TAB UNCASED MICA
C13 .01-50V CERAMIC
C14 .047-50V CERAMIC
LPA 2-15R VHF FM POWER AMPLIFIER
140-174 MHZ

FIG. 4



Technical

Continued From Page 12

repeaters in kit form in the price range I can afford. Their new receivers, COR, I.D., DTMF, and autopatch boards work flawlessly. I especially like the receiver sensitivity, selectivity, and squelch action. Their tone decoder works better than any other tone decoder I have ever tried. The transmitted audio is first class. In my opinion its better and clearer than the kilobuck super machines the local clubs run. Not having access to a spectrum analyzer made solving my problems difficult and frustrating.

There are four problems common to the HAMTRONICS REP 100 2 meter repeater. All four problems can be traced to design deficiencies of the transmitter and amplifier strips. The symptoms I have noticed are as follows: first, the receiver sufers desense; second, the repeater squelch hangs up in the unsquelched state; third, the REP 100 will "kerchunk" inself; and fourth, it will bring up other area repeaters, some outside the ham bands. These problems are intermittent and may only show up at certain temperatures.

The cure is cheap and simple and I hope my modifications will be incorporated into the Hamtronic kits. We must first be sure the TA-51 2 watt exciter is emitting clean signals and is not prone to self-oscillation. The following modifications can be made to insure this end: Connect a .001 mfd and a .01 mfd 50 volt ceramic capacitor from one end of L20 to ground; connect a .001 mfd 50 volt ceramic capacitor from one end of L19 to ground; connect a .01 mfd 50 volt ceramic capacitor from one end of L18 to ground; connect a 10 ohm 1/2 watt resistor in parallel with L20; and solder a 5 pf 50v ceramic capacitor from collector to base of Q8, placing it under the circuit board and soldered directly to the transistor leads coming through the foil traces. Several repeater owners have had good results without the 5 pf capacitor, but its use cannot hurt the system. Refer to fig. 1 for the schematic location and fig. 2 for the physical placement of these components. Note: the end of the inductor to which the capacitors are connected is important.

There is an intermittant VHF

Continued on Page 32

Comment

Voice In Wilderness!

Continued From Page 1

ARRL decided to publish any identity who could show substantial support for coordination.

SERA and several other coordination councils contacted the ARRL in an effort to prevent them from publishing this very "damaging" information in their Directory. We felt that once ANY coordination council, regardless of their age, scope or purpose, was identified in the ARRL Repeater Directory, our future problems would be compounded.

ARRL HQ refused to listen to us. We suggested an alternative, such as: "Repeater owners, or persons wishing to place repeaters on the air, are encouraged to contact their local/area coordinator." . . . instead of publishing a list of ALL coordinators.

Our justification was that any coordination council which was established within the Amateur Community, should not be very hard to find. Publishing his name (which will be obsolete in many instances by year end) would not improve or help anything.

In the ARRL plan for coordinator certification, introduced by Steve Mendelson, it mentions that coordinators came to furnish ARRL with repeater listings at their own request – assuming the League backed the coordinator, rather than accept the cards from the repeater owners.

"At the 1985 Coordinators' forum, League representatives asked how ARRL could halp support the coordinators."

Their response was "accept data only from the existing coordinators, thus forcing people who wnat to have their repeaters listed in the directory to go through their local coordinator to get them listed."

The draft goes on to say the League did as requested and stopped accepting information directly from the repeater owner/trustees, requesting them, instead, to submit the information through their local coordination body.

From this draft, the League makes out that they were doing us a BIG favor. THey failed to realize that SERA for one ALREADY had all these repeaters on their database, and renewed cards or information from repeater owners was not necessary in our case.

As hungry as ARRL was for the SERA repeater listing, I certainly wonder if they would rather have gone back to the cards, as they pretend they will gladly do in the future if coordinators all copyright their lists.

It is obvious that the coodinators who stood with ARRL and the Repeater Directory, and then pulled out, are being made to look bad in the eyes of the public. We were backed in a corner and our hand was forced.

At Dayton, our SERA representative stood alone and made a stand against what the ARRL had done. He was backed unanimously by all SERA Directors and officers. Those other coordination councils who were to stand with us, did so very quietly, without any public announcement until weeks later.

Since then, several national news letters have taken verbal swipes at SERA for making a stand against the "almighty" ARRL.

We stand on our decision! We feel the coordinators, such as SERA who have given hundreds of hours, free of charge to the ARRL to help them get out a first class, up-to-date Directory each year, deserve a little better than what we got from Headquarters.

ARRL has been heard to say that they will go back to the little white cards, mailed in from each repeater owner. But we all know how repeater owners mail in cards, don't we?

The 1988-89 ARRL Directory is the most up-to-date Directory they ever published, solely because coordination councils, such as SERA willingly and unselfishly worked with them and provided the vital updates which they so badly needed. They've had it this way the past 3 or 4 years, because more coordination councils saw fit to provide them with FREE lists. Prior to 1985, utilizing and depending on the white cards, the ARRL Repeater Directory in our territory, we know, was unbelievably inaccurate. It was the hours of updating from the SERA lists that got it correct.

ARRL makes a sizable profit on the Repeater Directory. No part of it is shared with any Coordination Council. We didn't mind this. But when Headquarters tells us they are going ahead and do what they want, regardless of our pleas, then we felt

Continued on Page 32

The Putnam Amateur Radio Association was incorporated as a non-profit, non-stock corporation in the state of West Virginia on May 30, 1980. On January 15, 1983, the Association applied for and received tax exempt and tax deductible status recognition from the IRS.

PARA's purpose was and is to promote amateur radio in the public interest without pecuniary gain, and specifically to develop and maintain emergency communications systems. This it has done with the 147.27 repeater on Coal Mountain (listed as a Charleston-Huntington repeater in the SERA Journal) and the other on 145.41 Mhz at Liberty--both with the K8SLI call, and its K8SLI-1 digipeater on 145.01.

The organization celebrated its eighth anniversary on Tuesday, May 31, 1988, at the Putnam County library where it held a Board of Directors meeting and the election of new officers and directors in connection with the anniversary. It was the last official meeting for PARA for on April 5th a name change filed with the Secretary of State's office became official. The new name is WEST VIRGINIA AMATEUR RADIO, INC. The change better reflects the makeup of the group which is not restricted to Putnam County alone.

There was only one change in the list of officers and directors from last year. Gary Loudermilk, N8GJN, declined to run again for director and he was replaced by Bob Adams, N9DMK. For the record the others are: Gerald Sizemore, WD8SEN, President; William Herod, N8BHP, Vice President; Kenneth Skeen, N8GZA, Secretary; Charles Six, WA8FSD, Treasurer; and directors Henry Danner, K8WOG, Betty Palmer, WC8S, Oliver Rinehart, WD8V, and David Comstock, W8HYX.

• • • •

WVAR officers and their spouses (President Gerry Sizemore, WD8SEN, and wife, Ann; Ken Skeen, N8GZA, Secretary, and wife, Phyllis, N8HIH; and Charlie Six, WA4FSD, Treasurer, and his wife, Joy) were among the guests of Union Carbide at the Company's Tech Center in South Charleston in early June for an Awards presentation and dinner at which Carbide honored some of its employees for their work with non-profit community service organizations.

WVAR, through Carbide employee Sizemore, was presented with a grant of $450 to support its activities. WVAR was one of nine organizations honored that night. The check was then turned over to the club treasury.

WVAR planned in July to install its new Sinclair 8-pole antenna on the K8SLI 147.27 Mhz repeater to replace a Sinclair co-linear antenna which has been in service almost from the beginning of PARA, forerunner of WVAR, Inc. THe new antenna was expected to correct an intermittent desensing problem. The antenna is on the Putnam County emergency services tower on Coal Mountain West of St. Albans.

• • • •

Tom Ball, K8BUX, of the Bellpoint area of Hinton, WV, became a silent key on June 5 following an automobile accident. Tom was a regular on the Virginia Phone Net and the Friday Traders' net. He operated with an antenna system which ran from one shore to an island in the middle of the New River. He had recently upgraded to Extra Class and was a volunteer examiner with the W5YI VE team in Bluefield. Thanks to Leon Moten, WD8POF, Jumping Branch, for details for this item.

WEST VIRGINIA NEWS

— Compiled and edited by Ted Wolfe, WD4KHL

Send your newsworthy items from West Virginia directly to Ted to be included in this column. Address: P.O. Box 133, Cabin Creek, WV 25035. (304) 595-3970. Also KA8ZXP, Clarksburg or WA8USO, Ravenswood Packet BBS. Allow 1 week prior to regular Journal Deadlines for inclusion in current issue.

• • • •

Three West Virginia stations that I am aware of -- thanks to information provided by Karl Thompson, K8KT -- that participated in the Bicentennial "200" amateur operating event were W200SP, Fairmont (a club call); W200AH, Al Hix, Charleston, representing the Southern West Virginia Repeater Association; and W200GK, Cal Basham (W8AH) using the Kanawha Amateur Radio Club call, with "200" substituting for the "8" during the special operation time frame.

• • • •

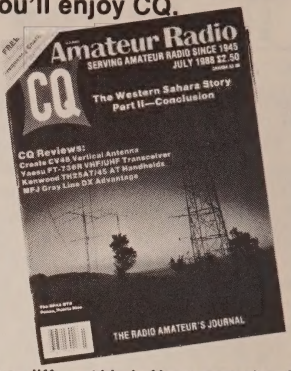
New officers elected at the May meeting of the Jackson County ARC at Ripley are: Clark Stewart, W8TN, President and club station trustee; Bob DeHart, N8GKJ, First Vice President; Greg Parsons, KC8VW, Second Vice President; Geneal Bailey, NK8P, Secretary-treasurer; Jim Dean, KC8FK, Activities Manager; and Buck Earley, WA8USO, Technical Coordinator.

The club newsletter, "Loud 'N Clear," also reported that the club's repeater building was vandalized on May 18. All of the digipeater equipment belonging to Buck Earley, WA8USO, was missing. Lost were an Astron 12-volt power supply, a Clegg 2-meter (30 watts in, 160 watts out) amplifier and a TNC, all valued at over one thousand dollars.

The thief, apparently looking only for a packet station, did not take any of the club's voice repeater equipment. All of W8TN's equipment and the old club repeater were still in the building.

The club may want to review some literature I recall seeing a couple of years ago that showed a schematic for an on-air alarm for repeater sites. Unauthorized entry triggers a circuit that puts a cw call (alarm) on the repeater. Any club member then monitoring the machine would know that something was wrong at the site.

If you enjoy Amateur Radio, you'll enjoy CQ.



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2 Years	☐ 38.	☐ 42.	☐ 46.
3 Years	☐ 57.	☐ 63.	☐ 69.

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NEW! Paragon, Model 585

PARAGON HF TRANSCEIVER, Model 585

Meet America's newest full featured, synthesized transceiver. General coverage all mode receiver tunes from 100 kHz to 29.999.99 MHz. Transmit at 100 watts output on all authorized frequencies from 1.8 to 29.999.99 MHz. SSB, CW, FSK and optional FM. Noise blanker and speech processor are standard equipment. Dual VFOs, RX offset, TX offset, QSK with a changeover time of less than 30 ms, five i-f filters (standard 6 kHz AM and 2.4 kHz SSB, optional 1.8 kHz, 500 Hz and 250 Hz) that are front panel selectable independent of mode, selectable tuning rates with automatic speed-up at rapid tuning knob rotation, passband tuning, audio bandpass filtering, tone control, squelch, notch filtering and more!

Sixty-two programmable memories that include frequency, mode, filter selected, channel number and a 7 digit alpha-numeric tag for entering a net name, call sign or I.D. of your choice. As the memory channels are scanned, all of the information is displayed (what a light show!) and the receiver automatically sets up mode, filters, tag and frequency as stored in each channel. Channels scanned are totally controllable with global lock-out, global reset and individual lock-out and reset

Frequency Range: Receive: 100 kHz to 29.9999 MHz. Transmit: 1.6 to 29.9999 MHz.
Frequency Control and Readout: Microprocessor controlled digital PLL synthesizer. 10 Hz resolution.
Frequency Stability: Worst case, 1 PPM per degree C. at 29.999 MHz.
Frequency Accuracy: ± 100 Hz @ 25 degrees C.
Tuning Rate:

	Normal	Normal Shifted
CW/USB/LSB/FSK	10 Hz 4.8 kHz per turn	20 Hz 9.6 kHz per turn
AM/FM	50 Hz 24 kHz per turn	100 Hz 48 kHz per turn
	Fast	**Fast Shifted**
CW/USB/LSB/FSK	20 Hz 9.6 kHz per turn	50 Hz 24 kHz per turn
AM/FM	100 Hz 49 kHz per turn	500 Hz 240 kHz per turn

Antenna Impedance: 50 ohm unbalanced.
PC Boards: 14 double-sided, 9 single-sided .062" glass-epoxy.
Power Required: Receive = 1.5A. Transmit = 20A. 12 - 14 VDC.
Dimensions: HWD 5¾" x x 17". 14.6 x 27.3 x 43.2 cm.
Net Weight: 16 lbs. 7.25 kg.

Modes: USB & LSB (J3E), CW (A1A), FSK (F1A); FM (F3E) optional (Model 256).
DC Power Input: Maximum 200 watts.
RF Power Output: ALC stabilized, adjustable, 10 to 100 watts (into 50 ohms) with front panel RF OUT control.
Microphone Input: Low impedance, bias voltage for electret provided.
CW Sidetone: Internally generated, adjustable tone and volume independent of AF GAIN control.

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Corsair II, Model 561

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YLRL 50th Anniversary Award

The Young Ladies Radio League would like to invite you to join us in the celebration of our 50th Anniversary in 1989. We are offering a special award in recognition of the event.

The YLRL 50TH ANNIVERSARY AWARD is available to any licensed amateur in the world.

Two-way communications must be established on the amateur radio bands with fifty (50) YLRL members during the calendar year 1989. Any and all amateur radio bands may be used. Cross-band, repeater, or net contacts DO NOT count.

Applications must be received no later than December 31, 1990 and should include a list of contacts including date, callsign, time, RS(T), band, and mode. Please indicate and sign on your log that you have operated consistent with the rules of the award and your license privileges. Include your name, callsign, and mailing address. Applications should be accompanied by four dollars ($4.00) USA. Non-USA applicants may choose to remit $4.00 USA or 5 IRC's. Any proceeds over and above the cost of printing and distributing the certificates will be transferred to the YLRL Scholarship Fund.

Decisions of the Certificate Custodian, regarding interpretations of these rules as here stated or later amended, shall be final. All inquiries regarding applications or the certificate should be addressed to the Custodian as follows: Joan M. Gibson, KG1F; RR 1, Box 1465; Waterbury, VT 05676.

YL - OM CONTEST

Sponsored by YLRL

PHONE: Starts Sat., Feb. 11, 1989 at 14:00 UTC
Ends Mon., Feb. 13, 1989 at 02:00 UTC
CW: Starts Sat., Feb. 25, 1989 at 14:00 UTC
Ends Mon., Feb. 27, 1989 at 02:00 UTC

ELIGIBILITY: All licensed men and women operators throughout the world are invited to participate.

PROCEDURE: OMs call "CQ YL" and YLs call "CQ OM".

OPERATION: All bands may be used. No cross band operation. Net contacts and repeater contacts do not count. A station may be worked and counted once on each band. Participants may work only 24 hours of the time. Operating breaks must be indicated in the log.

EXCHANGE: Station worked, QSO number, RS or RST, state/province/country.

Entries in log must also show time, band, date, operating breaks and transmitter power.

SCORING: (A) Phone and CW will be scored as separate contests. Submit separate logs for each contest.

(B) Score each band separately. One (1) point is earned for each different station worked on each band; YLs count only OMs and OMs count only YLs. Add together the QSO points earned for each band. That is your total number of QSOs.

(C) Multiply the number of QSOs by the total number of different states/provinces/countries worked.

(D) Contestants running with a power output of 100 watts or less on CW and 200 watts PEP or less on SSB, at all times, may multiply the results of C by 1.50 (low power multiplier). The maximum power output that may be used at any time during the contest is 750 watts on CW and 1500 watts PEP on SSB.

LOGS: ALl logs must show your state/province/country to qualify for awards. For each QSO logs must show the station worked, QSO number given and received, RS(T) given and received, country/state/province of station worked, time, band, and date. Logs must also state the power output used and the operating breaks taken. If you have 200 or more QSO's submit a separate log for each band and submit a "dupe" sheet. Do not send carbon copies of logs. Please print or type. Logs must be signed by the operator and no logs will be returned. Remember to file separate logs for each contest. Logs must show claimed score and be postmarked by March 15, 1989, and received no later than March 31, 1989, or they will be disqualified. Please send logs to: YLRL Vice President, Carol Shrader, WI4K, 4744 Thoroughgood Dr., Virginia Beach, VA 23455, U.S.A.

DUPLICATES: For each duplicate contact that is removed from the log by the Vice President, a penalty of three (3) additional and equal contacts will be exacted.

AWARDS: 1st place phone: YL cup, OM cup; 1st place CW: YL cup, OM cup. The 2nd and 3rd place YL and OM winners in each contest will receive certificates. The winner of the phone contest cup is also eligible to win the CW cup.

Certificates will be awarded to the high YL and OM phone and YL and OM CW winners of each U.S. and VE call district and country provided there are at least ten valid contacts on the log.

SUGGESTED FREQUENCIES: CW: 80 mtrs. - 3.540-3.570; 40 mtrs. - 7,040-7,070; 20 mtrs. - 14.040-14.070; 15 mtrs. - 21.120-21.150; 10 mtrs. - 28.180-28.210. SSB: 80 mtrs. - 3.940-3.970; 40 mtrs. - 7.240-7.270; 20 mtrs. - 14.250-14.280; 15 mtrs. - 21.380-21.410; 10 mtrs. - 28.380-28.410 MHz.

Do Hams Have "Constitutional Rights?"

— by George Hines, N8CIX

You're a member of ARRL: as an active amateur, you have a stake in the future of amateur radio. (If you aren't supporting the group speaking out in your behalf as an amateur, better re-think your priorities).

I mention the ARRL because of an important editorial in the July issue of "QST" under the heading "It Seems to Us. . . " on page 9, the title is "Due Process, and RFI."

Every amateur should read this with concern - while Congress has given the FCC the green light to adopt RFI interference suppression requirements for home entertainment equipment, the Commission has instead chosen to place restrictions on you, the licensed amateur. . . and the proposed rewrite of Part 97 Rules for amateur operating will say "The FCC may restrict operations as necessary to prevent harmful interference." Read this editorial - you may decide to take up the issue with your congressman.

WA4ZTH
Bob Wallace
KNOXVILLE. TENNESSEE

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THE SERA OFFICIAL REPEATER INDEX

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Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

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2 METERS

7.43 /4.93	M	LYNCHBURG	VA
4.51 /5.11	TUN	AUGUSTA	GA
	VTA	DECATUR	GA
	RXG	SAURATOWN MT	NC
	JMT	CONWAY	SC
	IJL	KNOXVILLE	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	SEX	NEWNAN	GA
	VLP	VALDOSTA/TIFTON	GA
	YNF	AHOSKIE	NC
	CS	GREENWOOD/HODGES	SC
	OAK	LAFOLLETTE	TN
	VL	GALAX/LKOUT MT	VA
	FHE	BUCKHANNON	WV
4.55 /5.15	IWZ	PIKEVILLE	EKY
	MM	ALBANY	GA
	AQL	ATLANTA	GA
	LI	MILLEDGEVILLE	GA
	UDS	MORENTN/HI PK	NC
	CVM	RANDLEMAN/GBO	NC
	RJC	DECATUR-PONE KB	TN
	HCK	FRANKLIN	TN
	JE	JAMESTOWN	TN
	JXI	MEMPHIS	TN
	ARO	PETERSBURG	VA
	DBN	MARMET/BEE MT	WV
	FSE	MARTINSBURG	WV
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	DIW	JONESBORO	GA
	ZQB	NEWTON/ANDSN MT	NC
	EKK	OXFORD	NC
	V	LOUDON	TN
	LHO	SMYRNA	TN
	DKL	BOLT/BOLT MT	WV
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	GIS	CARTERSVILLE	GA
	ULJ	PINE MT/HAMILTON	GA
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	XX	JASPER	TN
	B	RICHMOND	VA
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	PSZ	TYRONE	GA
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	MS	KILMARNOCK	VA
	FEQ	HUNTINGTON	WV
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	COL	AUGUSTA/GRNS CUT	GA
	JEH	CONYERS	GA
	UJ	DALTON	GA
	COL	WAYNESBORO	GA
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	DBB	BEDFD/APL ORCH	VA
	UMI	YORKTOWN	VA
	K	LOGAN/BLAIR MT	WV
4.65 /5.25	BLQ	CLAYTON	GA
	BZJ	DALTON	GA
	KOK	FOREST PARK	GA
	AZM	GREENSBORO/GLD H	NC
	URP	CHARLESTON	SC
	DRL	MEM/FISHERVILLE	TN
4.67 /5.27	PN	WALESKA/PNLGMT	GA
	KNI	HENDSVL/BERWLW M	NC
	BEA	RALEIGH	NC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	JCE	MANASSAS	VA
	VR	WYTHEVILLE	VA
	OG	CRAIGSVILLE	WV
4.69 /5.29	ICN	PRESTONSBURG	EKY
	DRQ	ATLANTA	GA
	BFB	CHARLOTTE	NC
	ACP	MAYODAN	NC
	PPD	SHALLOTTE	NC
	VCM	CHATTANOOGA	TN
	SOC	HOLSTON MT/E TN	TN
	FFM	NASHVILLE	TN
	NDH	CHESAPEAKE	VA
	FMD	CHARLESTON	WV
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	JDR	STOCKBRIDGE	GA
	ITL	ROANOKE RAPIDS	NC
	RFA	ROCK HILL	SC
	GRC	ATHENS	TN
	SC	JACKSON	TN
	FSC	ALEXANDRIA	VA
	BZS	LAYLAND/MANN MT	WV
4.73 /5.33	OGE	JONESBORO	GA
	J	MT AIRY/TRNR MT	NC
	DFP	BAMBERG	SC
	GMT	CUMBERLAND CTY	TN
	TAG	HICKORY VALLEY	TN
	TEM	KNOXVILLE	TN
	OOI	FARMVILLE	VA
	VNO	PARSONS	WV
	FR	WILLIAMSON	WV
4.75 /5.35	R	HARLAN	EKY
	DOC	ATLANTA	GA
	FGO	ROSSVILLE	GA
	AOS	CHARLOTTE	NC
	DAN	GREENVILLE	NC
	Y	HUMBOLDT	TN
	JYD	NASHVILLE	TN
	AZJ	BLAND	VA
	AOD	FALLS CHURCH	VA
4.77 /5.37	UA	AUGUSTA	GA
	ACH	COLUMBUS-RTTY	GA
	IZF	JASPER	GA
	AGN	N. WILKESBORO	NC
	GRC	KNOXVILLE	TN
	OG	NASHVILLE	TN
	MI	GLOUCESTER	VA
	FWL	BECKLEY/EOC	WV
4.79 /5.39	HYB	GRIFFIN	GA
	NJ	MONROE/UCARS	NC
	TZ	CHATTANOOGA	TN
	EPC	GREENEVILLE	TN
	DOR	HERMITAGE	TN
	VM	STANTONVILLE	TN
	ZIV	GALAX	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	PXX	BRUNSWICK	GA
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	QBO	GREENEVILLE	TN
	VIP	MEMPHIS	TN
	FHE	BUCKHANNON	WV
	SLI	LIBERTY	WV
4.83 /5.43	LCI	ATLANTA/SWEAT MT	GA
	VBA	LINEVILLE(AL)	GA
	OLL	MACON	GA
	ITL	SPARTA/GREEN MT	NC
	LB	COLUMBIA	SC
	UCE	COOKEVILLE	TN
	IUA	KNOXVILLE	TN
	SOT	RICHMOND	VA
	WHO	CHARLESTON	WV
	LG	MORGANTOWN	WV
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	BOC	STONE MT	GA
	PLY	CROWDERS MT	NC
	WTX	DURHAM	NC
	GRW	NEWPORT	NC
	LWY	ALCOLU	SC
	SIR	BENTON	TN
	E	SPRING HILL	TN
	SXZ	WELCH	WV
4.87 /5.47	CLA	ATLANTA/SWEAT MT	GA
	GIC	SAURATOWN MT	NC
	OXE	INMAN	SC
	GBI	KNOXVILLE	TN
	OMO	MOUNTAIN CITY	TN
	ARK	NASHVILLE	TN
	EFJ	ARLINGTON	VA
	FG	KINGSTON/LICK KB	WV
4.89 /5.49	JA	AUGUSTA	GA
	RWS	CORDELE	GA
	OPL	MARIETTA	GA
	ZCZ	FRANKLIN	NC
	CBI	RALEIGH	NC
	ABW	RKY RDG/WALLACE	SC
	KKO	MCMINVL/SHT MT	TN
	KOG	MEMPHIS	TN
	MOP	BLUEFIELD	VA
	OHX	NEWPORT NEWS	VA
	MOP	BLUEFIELD	WV
6.895/6.295	T	HARTWELL	GA
6.01 /6.61	MLE	COLUMBUS	GA
	BDP	WARNER ROBINS	GA
	SNI	GREENSBORO	NC
	JMS	NEW BERN	NC
	GY	CHELSEA	SC
	NYK	GRNVLE/CSRS HD	SC
	JMT	MYRTLE BEACH	SC
	CMY	CHATTANOOGA	TN
	PCD	NASHVILLE	TN
	LSP	BRUMLEY MT	VA
	GSP	CHESAPEAKE	VA
	WWO	LYNCHBURG	VA
	MZI	GASSAWAY	WV
6.025/6.625	UPE	UNION CITY	GA
	JWP	VIDALIA	GA
	QWK	LAURINBURG	NC
	GBI	KNOXVILLE	TN
	ZOX	MARTIN	TN
	AVW	NEW MARKET	VA
	BZS	FLAT TOP/WINTERP	WV
6.04 /6.64	YZY	PINEVILLE	EKY
	LWT	AUGUSTA	GA
	FWD	CARROLLTON	GA
	GVG	WAYCROSS	GA
	YAO	HENDERSONVILLE	NC
	DW	RALEIGH	NC
	GIC	WINSTON-SALEM	NC
	P	SUMTER	SC
	RX	CROSSVILLE	TN
	KOO	MEMPHIS	TN
	NTM	NASHVILLE	TN
	WIC	FINCASTLE	VA
	BIW	MARION	VA
	QEY	RICHMOND	VA
	EZR	HUNTINGTON/CHAS	WV
6.055/6.655	NFP	ATLANTA/MARIETTA	GA
	CEB	CONCORD/KANNAP.	NC
	VTX	ELIZABETH CITY	NC
	ABU	BROWNSVILLE	TN
	Z	CHATT/SIGNAL MT	TN
	PDP	ALEXANDRIA	VA
	ISI	ALTAVISTA	VA
6.06 /6.66	BKM	MACON	GA
6.07 /6.67	VHF	HAZARD	EKY
	NSO	GAINESVILLE	GA
	EOL	JESUP	GA
	ZIN	BURLINGTON	NC
	TMT	CHERRY MT	NC
	SJ	HALIFAX	NC
	DKI	BRISTOL	TN
	BGW	LAFOLLETTE/WMT	TN
	NTM	NASHVILLE S.W.	TN
	HZS	BARREN SPRINGS	VA
	NTG	WILLIAMSBURG	VA
	JNU	RAVENSWOOD	WV
6.08 /6.68	IOT	LEEDS(AL)	GA
6.085/6.685	IWL	ADAIRSVILLE	GA
	UWN	FAYETTEVILLE	GA
	NBR	GRIFTON	NC
	O	STATESVILLE	NC
	CO	NEWBERRY	SC
	PIO	LENOIR CITY	TN
	O	WAVERLY	TN
	JNC	DANTE	VA
	HTA	VIENNA	VA
	FMD	CLARKSBURG	WV
6.10 /6.70	JO	GRAYSON	EKY
	MM	ALBANY	GA
	OOM	JASPER	GA
	DOJ	MILLEDGEVILLE	GA
	NLX	SAVANNAH	GA
	CID	DUNN	NC
	PAX	LANCASTER	SC
	UOT	MANCHESTER	TN
	UFT	MEMPHIS	TN
	YGM	UNION CITY	TN
	WOS	DANVILLE/WHT OAK	VA
	BHH	DUFFLD/POWLL MT	VA
	D	NORFOLK	VA
	XD	STAUNTON	VA
	JNU	RAVENSWOOD	WV
6.115/6.715	ABZ	RINGGOLD	GA
	GGN	MILLERS CREEK	NC
	KDC	SPRING LAKE	NC
	NEP	COLUMBIA	SC
	I	BLACKSBURG	VA
	TXE	STERLING	VA
	GL	SHERRARD	WV
6.13 /6.73	SWF	LOUISA	EKY
	MM	ALBANY	GA
	NC	ATLANTA/SWEAT MT	GA
	TVE	BRUNSWICK	GA
	BWC	RALEIGH	NC
	EXU	SALISBURY	NC
	VNK	WILMINGTON	NC
	FKJ	N. AUGUSTA	SC
	BJY	SIMPSONVILLE	SC
	IOB	KNXVL/ENG MT	TN
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	N	DILLON/PEE DEE	SC
	HF	DYERSBURG	TN

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	APS	VALDOSTA	GA
	BVW	ASHVL/MT PISGAH	NC
	MSS	GREENSBORO	NC
	S	SWANSBORO	NC
	THL	WILSON	NC
	ILT	CHARLESTON	SC
	PTC	FT JACKSON	SC
	LSP	BRISTOL/HLSTN MT	TN
	YTU	BROWNSVILLE	TN
	POP	NASHVILLE	TN
	TFZ	CHARLOTTESVILLE	VA
	STE	LYNCHBURG	VA
	ZIN	WILLIAMSBURG	VA
	VA	HUNTINGTON	WV
	CUL	MORGANTOWN	WV
	JDH	WHEELING	WV
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	OCB	WRENS	GA
	BFB	CHARLOTTE/RTTY	NC
	DHW	ELIZABETHTOWN	NC
	JVO	PULASKI/MUSIC MT	TN
	MUQ	WYTHEVILLE	VA
6.19 /6.79	U	PAINTSVILLE	EKY
	DMK	FOLKSTON	GA
	KOW	MOULTRIE	GA
	SEX	NEWNAN	GA
	VYX	SWAINSBORO	GA
	LZD	CLINTON	NC
	LDK	SAURATOWN MT	NC
	FVV	ANDERSON/SAS MT	SC
	ILT	CHARLESTON	SC
	DSK	CHATTANOOGA	TN
	ABR	JOHNSON CITY	TN
	FZJ	MEMPHIS	TN
	SOE	NASHVILLE	TN
	SD	CHESAPEAKE	VA
	LBL	FAIRFAX	VA
	CFT	OAK HILL	WV
6.205/6.805	NNE	GUTHRIE	EKY
	LT	MILLEDGEVILLE	GA
	EWG	FAYETTEVILLE	NC
	NOQ	GASTONIA	NC
	NNE	GUTHRIE (TN/KY)	TN
	HTI	COVINGTON	VA
7.405/6.805	AQS	CALHOUN	GA
	HCY	MAGGIE VALLEY	NC
6.22 /6.82	MM	ALBANY	GA
	DOC	ATLANTA	GA
	HAQ	LYONS	GA
	PZA	ROARING GAP	NC
	GMP	WILMINGTON	NC
	NYK	GRNVLE/PARIS MT	SC
	U	ST. MATTHEWS	SC
	OAH	LAKE CITY	TN
	BS	MEMPHIS	TN
	NCM	WINCHESTER	TN
	RKC	WINCHESTER	VA
	IFS	CHARLESTON	WV
6.235/6.835	OCB	THOMPSON	GA
	QCQ	ASHEVILLE	NC
	JXG	NAGS HEAD/BODIE	NC
	IAT	WADESBORO	NC
	DCX	GRUNDY/BIG A MT	VA
	ECM	RICHMOND	VA
7.435/6.835	BPV	HIGH POINT	NC
6.25 /6.85	IXA	PIKEVILLE	EKY
	DVJ	DALLAS	GA
	R	LAGRANGE	GA
	HON	WARNER ROBINS	GA
	CYP	GOLDSBORO	NC
	MDW	HICKORY/BRT. MT	NC
	YFT	REIDSVILLE	NC
	ULH	FLORENCE	SC
	KJH	GTLBG/DOVE MTN	TN
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	MG	PORTSMOUTH	VA
	ZBP	STAUNTON	VA
	BO	BECKLEY/FLAT TOP	WV
	L	BUCKHANNON	WV
6.265/6.865	DKY	MADISON	GA
	YF	BIG KNOB/GREY CT	SC
	G	FAYETTEVILLE	TN
7.465/6.865	ZRS	WAXHAW	NC
	MZ	MOUNTAIN LAKE	VA
6.28 /6.88	U	MAYTOWN	EKY
	AGO	COLUMBUS	GA
	BTI	MARIETTA	GA
	NKL	QUITMAN	GA
	HBB	SAVANNAH	GA
	ITL	RALEIGH	NC
	NYR	SHELBY	NC
	AVU	COLUMBIA	SC
	CYZ	BRISTOL	TN
	ETE	MEMPHIS	TN
	PCD	NASHVILLE	TN
	SKH	OAK RIDGE	TN
	CYZ	BRISTOL	VA
	ZBE	RICHMOND	VA
	PDL	SALEM	VA
	COV	CHARLESTON	WV
6.295/6.895	YFF	MADISON	NC
	KXV	VIRGINIA BEACH	VA
6.30 /6.90	ACN	JASPER(AL)	GA
	SP	FAIRMONT	WV
6.31 /6.91	GFY	MOREHEAD	EKY
	FOW	CLEVELAND/LONG	GA
	HYB	GRIFFIN	GA
	ZGO	AHOSKIE	NC
	MOE	ASHVL/SPIVEY MT	NC
	YZF	FAYVLLE/CFARS	NC
	IZM	LEXINGTON	NC
	BWZ	WHITE HALL	SC
	MEP	CLEVELAND	TN
	DOU	SAVANNAH	TN
	YXA	SHORT MTN	TN
	AXH	CHASE CITY	VA
	OVC	JONESVILLE	VA
	TUE	MT. LK/BALD KNB	VA
	FMD	TYSONS CORNER	VA
	ULB	MCMECHEN	WV
6.325/6.925	ASI	COVINGTON	GA
	CWZ	ROCK HILL	SC
	TFZ	CHARLOTTESVILLE	VA
	GJG	DANVILLE(DCC)	VA
	OGY	PRINCETON/PIPEST	WV
6.34 /6.94	SN	ASHLAND	EKY
	N	AUGUSTA	GA
	VO	ROME/MT. ALTO	GA
	RVB	WRIGHTSVILLE	GA
	DLH	BURGAW	NC
	BFB	CHARLOTTE	NC
	BFT	DURHAM	NC
	ACY	MANTEO/WANCHESE	NC
	ZAS	MT AIRY-RTTY	NC
	IOO	GREENVILLE	SC
	GBI	KNOXVILLE	TN
	BN	MEMPHIS	TN
	PCD	NASHVILLE	TN
	UMI	HAMPTON	VA
	ZA	RICHMOND	VA
	QET	ROANOKE	VA
	CSW	NEW MARTINSVILLE	WV
	VKB	SUMMERSVILLE	WV
	JN	WEIRTON	WV
7.54 /6.94	CSW	NEW MARTINSVLLE	WV
6.355/6.955	KN	PERRY	GA
	PRE	ROCKY TOP MT	GA
	ULA	ROCKINGHAM	NC
	MZ	ONEIDA PEAK/BLF	VA
6.37 /6.97	OD	ATLANTA	GA
	HBB	SAVANNAH	GA
	ZAS	MT AIRY	NC
	JO	SMITHFIELD	NC
	SZ	ANDERSON	SC
	ISM	FLORENCE	SC
	TRC	KNGSPT/BAYS MT	TN
	MWQ	MCMINNVILLE	TN
	BEZ	MEDINA	TN
	SKH	OAK RIDGE	TN
	FPM	MANASSAS	VA
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	E	LOGAN/WARD RK MT	WV
	CRW	PARKERSBURG	WV
6.385/6.985	I	AUGUSTA	GA
	HHH	ELLIJAY/TALONA M	GA
	TOV	PRESTON	GA
	UUB	ST. MARYS	GA
	OGB	ALBEMARLE	NC
	PVE	MARION	NC
	ESG	MT PLEASANT	SC
	CA	ROANOKE/POOR MT	VA
6.40 /7.00	NNO	ATLANTA	GA
	LDK	HIGH POINT	NC
	FVO	JACKSONVILLE	NC
	YLT	MARION	SC
	YXZ	PICKENS	SC
	FZJ	MEMPHIS	TN
	HMT	SUFFOLK	VA
	GDY	ST ALBANS	WV
7.60 /7.00	WAU	ELKHORN CITY	EKY
	DXZ	LANETT(AL)	GA
	KMG	BLOUNTVILLE	TN
	ZOK	CHATT/SIGNAL MT	TN
	TEQ	CLARKSVILLE	TN
	ZR	TERRA ALTA	WV
7.615/7.015	MST	BON AIRE	GA
	FOW	CLEVELAND/LONG	GA
	UM	HINESVILLE	GA
	KPF	LK NORMN/CLT	NC
	UMU	SUMTER	SC
	RHV	HARRIMAN	TN
	K	NASHVILLE	TN
	YGM	UNION CITY	TN
	LNT	FREDRICKSBURG	VA
6.43 /7.03	YTZ	ROCK HILL	SC
	LGH	LEXINGTON	TN
	ZJM	MEMPHIS	TN
	JST	RICHMOND	VA
7.63 /7.03	REI	ATLANTA/AIRPORT	GA
	GG	GREENSBORO	NC
	DTS	ROANOKE RAPIDS	NC
	FOF	BARNWELL	SC
	HOG	N. MYRTLE BEACH	SC
	NIO	FAYETTEVILLE	TN
	CDR	MILLINGTON	TN
	PRO	MORRISTOWN	TN
	BLD	WAYNESBORO	VA
	IT	MULLENS/HRNDN MT	WV
	ECC	ST MARYS/BENS R	WV
6.445/7.045	FLR	FAYETTEVILLE	NC
	CNS	ROB/JOANNA BLD	NC
	YVM	ARLINGTON	VA
7.645/7.045	NFA	FARMINGTON	GA
	TYM	METTER	GA
	JRL	STATSVL/ASBRY MT	NC
	HKZ	COOKEVILLE	TN
	WRN	STAUNTON/EL. KB	VA
	SBC	VIRGINIA BEACH	VA
6.06 /7.06	JYR	MADISON	WV
6.46 /7.06	CO	CHARLOTTE	NC
	MOQ	MEMPHIS	TN
	LBM	VOLENS	VA
	WL	PRINCETON	WV
7.66 /7.06	DDI	MACON	GA
	CLA	ROSWELL	GA
	UCJ	THOMASVILLE	GA
	LED	MACO	NC
	VFR	SUMTER/SHAW	SC
	LYF	GRNVLE/GRYSTN	TN
	OEB	SHELBYVILLE	TN
	ECM	CHESTERFLD CO	VA
	KNM	POINT PLEASANT	WV
6.475/7.075	VGZ	BURLINGTON	NC
7.675/7.075	JXR	SNELLVILLE	GA
	HBQ	BURLINGTON	NC
	L	NEWTON	NC
	BVO	CLARKSVILLE	TN
	GBI	KNOXVILLE	TN
	PHT	WAYNSBR/BEAR DEN	VA
7.69 /7.09	NDB	FLAT GAP	EKY
	YK	PHELPS	EKY
	CVE	ST SIMONS ISL	GA
	GDF	GREENVL/ESTN NC	NC
	RDN	ORANGEBURG	SC
	ATI	GERMANTON	TN
	BSA	SPARTA/BON AIR	TN
	VL	GALAX/BRIRP MT	VA
7.705/7.105	YSB	ATLANTA	GA
	D	STATESBORO	GA
	JCK	MONROE	NC
	GHH	MOUNTAIN HOME	NC
	JBJ	BEDFORD	VA
	VNQ	MT STORM	WV
	APG	SPENCER	WV
7.72 /7.12	ASZ	WINCHESTER	EKY
	MM	ALBANY	GA
	S	AUGUSTA	GA
	CMA	CEDARTOWN	GA
	REW	GAST/SPCR MT	NC
	IKY	GIBSONVILLE	NC
	EWL	ROCKY MOUNT	NC
	GMV	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	FAF	CULPEPPER	VA
	DKM	BRIDGEPORT	WV
	VKI	DUNBAR	WV
7.735/7.135	BZJ	DALTON	GA
	JFE	VALDOSTA	GA
	CJS	BREVARD/RICH MTN	NC
	ABW	CHERAW	SC
	EDS	ALAMO	TN
	AZJ	PEARISBURG	VA
	HB	RICHMOND	VA
7.745/7.145	KNE	MT. STERLING	EKY
7.75 /7.15	MWA	DOG FORK MT	EKY
	TFW	ALBANY	GA
	BYK	CUMMING/SAWNEE	GA
	VLY	MORGANTON	NC
	ITL	RALEIGH	NC
	BJM	MONCKS CORNER	SC
	SDT	SIMPSONVILLE	SC
	KUB	MEMPHIS	TN
	PCD	NASHVILLE	TN
	EAJ	OAK RIDGE	TN
	OKH	TAZEWELL	VA
	SVR	ST ALBANS	WV
7.765/7.165	TCU	DOUGLAS	GA
	RT	HIGH POINT	NC
	YF	GREENWOOD	SC
	CEX	PURYEAR	TN
	CTF	NEWPORT NEWS	VA
	FJT	WARRENTON	VA
7.78 /7.18	BMA	AUGUSTA	GA
	NHW	BALDWIN	GA
	BI	SYCAMORE	GA
	EJJ	SANFORD	NC
	CTJ	WILMINGTON	NC
	NAT	DORCHESTER	SC
	SC	FT MILL/CAROWND	SC
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	DES	POLK CTY/OSWALD	TN
	KAF	PETERSBURG	VA
	Z	PKS KB/PULASKI	VA
	NMT	LEON	WV
7.795/7.195	SMX	ATLANTA	GA
	RD	CAIRO	GA
	NIN	LENOIR	NC
	WB	MURPHY	NC
	RTS	LYNCHBURG	VA
7.81 /7.21	SG	CONYERS	GA
	LN	DALTON	GA
	NLX	SAVANNAH	GA
	BUZ	GREENSBORO	NC
	MSD	WHITEVILLE	NC
	AVU	LITTLE MT	SC
	WS	COOKEVILLE	TN
	WKZ	JAKSON	TN
	IWG	MCLEAN	VA
	AXO	WISE/HIGH KNOB	VA
	TC	CHARLESTON	WV
7.825/7.225	ZUN	JEFFERSON	GA
	LVY	SUMMERVILLE	GA
	WTX	HILLSBOROUGH	NC
	DTW	LAKE MARION	SC
	OAH	MORRISTOWN	TN
	C	HARRISONBURG	VA
	SDC	YORKTOWN	VA
7.84 /7.24	DI	ASHLAND	EKY
	NFG	IRWIN	GA
	NIW	CARTHAGE	NC
	ACP	EDEN/MAYODAN	NC
	BKU	FOREST CITY	NC
	GHZ	FRANKLIN	NC
	BAL	HILTON HEAD	SC
	BGF	LANCASTER	SC
	NIT	GALLATIN	TN
	OKH	SOUTH HILL	VA
	FOR	WOODBRIDGE	VA
7.855/7.255	KDT	ATLANTA	GA
	AV	ASHEBORO	NC
	KNI	HENDSVL/PENIC/MT	NC
	SI	PETROS	TN
	TVS	ACCOMAC	VA
	CYZ	DANTE	VA
	VAZ	MARTINSBURG	WV
7.885/7.255	BZU	DONELSON	TN
7.87 /7.27	GEL	PIKEVILLE	EKY
	VBH	AMERICUS	GA
	PJE	FORT PAYNE(AL)	GA
	H	BENSON	NC
	SM	WAYNESVILLE	NC
	LET	CHARLESTON	SC
	JRJ	SENECA/LONG MT	SC

Continued On Next Page

PLEASE NOTE!

The letters column between the frequency and city indicate suffixes of the repeater callsign.

REPEATERS BY FREQUENCY CONTINUED

	YOC	GALLATIN	TN
	FH	JOHNSON CITY	TN
	OWI	MEMPHIS	TN
	TMC	PINSON	TN
	GX	GUM SPRING	VA
	SLI	SCOTT DEPOT/COAL	WV
7.885/7.285	PVW	ASHBURN	GA
	VBX	ATLANTA/GPCO	GA
	ADM	AIKEN	SC
	DCD	MYT BEA/BRKSVLLE	SC
	I	ROCKY SPUR	SC
	MJM	PIKEVILLE	NC
	L	MARTINSVILLE	VA
	HON	SPRUCE KNOB	WV
7.90 /7.30	U	SALYERSVILLE	EKY
	HNM	ROME	GA
	ACY	WARNER ROBINS	GA
	YJG	JEFFERSON	NC
	NHV	LUMBERTON	NC
	OMV	TUCKASEGEE	NC
	LWS	MT. PLEASANT	SC
	BBB	KNOXVILLE	TN
	ADT	MEMPHIS	TN
	ZSA	NASHVILLE	TN
	SPS	FRANKLIN	VA
	ZR	LEXINGTON	VA
	TSC	WINCH/BLUEMONT	VA
	NSL	HARRISVILLE	WV
	BKX	HUNTINGTON	WV
7.915/7.315	RBW	UNION CROSS	NC
	HQT	JASPER	TN
	HFH	ALEXANDRIA	VA
	MR	CLARKSBURG	WV
7.92 /7.32	HWQ	GRUNDY	VA
7.93 /7.33	KWH	ASHLAND	EKY
	KNE	MT. STERLING	EKY
	BXO	LAGRANGE	GA
	DIP	TOCCOA	GA
	LPL	FAYVLLE/FT BRAGG	NC
	K	LENOIR/HIBRITN	NC
	NUY	COLUMBIA	SC
	VXW	COVINGTON	TN
	CV	CROSSVILLE	TN
	AJS	NASHVILLE	TN
	POD	LEXNGTN/COLE MT	VA
	ZIP	WARSAW	VA
7.94 /7.34	NEQ	ATLANTA/MARIETTA	GA
7.945/7.345	IZD	LYNCH/BLACK MT	EKY
	NYR	SHELBY	NC
	TEP	WASHINGTON	NC
	WF	HENDERSONVILLE	TN
	RUA	FRANKLIN	WV
7.95 /7.35	YZR	DANVILLE	VA
7.96 /7.36	EO	DOUGLASVILLE	GA
	HZX	DUBLIN	GA
	V	BOONE/RICH MTN	NC
	LDB	DURHAM	NC
	Z	LUMBERTON	NC
	OAK	KNXVL/CROSS MT	TN
	MMI	MEMPHIS	TN
	NTM	NASHVILLE S.	TN
	KLX	PARIS	TN
	CBB	CHESTERFIELD	VA
7.975/7.375	TQU	ATHENS	GA
	VEK	LAFAYETTE	GA
	YN	BURNSVILLE	NC
	ROK	GREENVILLE	NC
	DMI	GEORGETOWN	SC
	LEO	GREENVILLE	SC
	BTJ	HILLSVILLE	VA
	ILD	LYNCHBURG	VA
	NV	VIRGINIA BEACH	VA
	LPB	GRAFTON	WV
	WMX	ST ALBANS	WV
7.99 /7.39	PDJ	JENKINS	EKY
	IMK	THOMASTON	GA
	CHZ	AQUADALE	NC
	PLY	CHARLOTTE	NC
	OBG	EDEN/STONEVILLE	NC
	FAU	SHALLOTTE	NC
	FEC	LEXINGTON	SC
	TA	CLARKSVILLE	TN
	ZLA	DAYTON/RHEA CTY	TN
	SBX	GRAY	TN
	AJO	MADISON	VA
	ARO	PETERSBURG	VA
	LLM	UNION	WV
6.835/7.435	EV	DALONEGA	GA
7.315/7.915	SPJ	FORSYTH	GA

220 MHZ

3.94 /2.34	DBB	BEDFORD/APL MT	VA
2.12 /3.72	PGA	LOUISA	EKY
	KHP	STERLING PK	VA
2.30 /3.90	NSO	GAINESVILLE	GA
	RAB	HERMITAGE	TN
2.32 /3.92	AZA	HIGH POINT	NC
2.34 /3.94	OK	ASHLAND	EKY
	UPC	YORKVILLE	GA
	BVW	ASHVL/MT PISGAH	NC
	WTX	HILLSBOROUGH	NC
	GP	CLARKSVILLE	TN
2.36 /3.96	C	ROCKY MOUNT	NC
2.38 /3.98	APS	VALDOSTA	GA
	HUV	LRWOOD	NC
	ILY	GREER	SC
	ZSA	GALLATIN	TN
2.40 /4.00	IZP	JASPER	GA
	ZIA	LOCUST	NC
	HO	DELTAVILLE	VA
2.42 /4.02	JEH	CONYERS	GA
	EHF	FAYETTEVILLE	NC
	MDW	HICKORY	NC
	TB	NASHVILLE	TN
2.44 /4.04	BZJ	DALTON	GA
2.46 /4.06	UPC	BUCHANAN/HARALSO	GA
	N	PICKENS/SASFR MT	SC
	BZS	FLT TP/WNTRPLACE	WV
2.48 /4.08	GIS	CARTERSVILLE	GA
	CII	RIDGEVILLE	SC
	UEX	NASHVILLE	TN
2.50 /4.10	F	CORNELIA	GA
	YHD	FAIRFAX	VA
	DBB	ROANOKE	VA
2.52 /4.12	NFP	ATLANTA/MARIETTA	GA
	FEC	LITTLE MT	SC
	MEY	NASHVILLE	TN
2.54 /4.14	WOR	LUMBERTON	NC
	OHF	PICKENS/CSRS HD	SC
	SQS	FRANKLIN	VA
	YYW	WILLIAMSON	WV
2.56 /4.16	K	LENOIR/HIBRITN	NC
	TA	CLARKSVILLE	TN
2.58 /4.18	TAG	HICKORY VALLEY	TN
	DAS	VIRGINIA BEACH	VA
2.60 /4.20	UA	AUGUSTA	GA
	YTU	BROWNSVILLE	TN
	PEA	FARMVILLE	VA
	AWB	NASHVILLE	TN
2.62 /4.22	KNI	HENDSVL/BERWLW M	NC
2.64 /4.24	NP	MT. JULIET	TN
2.66 /4.26	BLR	ATLANTA	GA
2.68 /4.28	M	LYNCHBURG	VA
2.70 /4.30	PVI	STATESVILLE	NC
2.72 /4.32	JBF	THOMASVILLE	GA
2.74 /4.34	DOC	ATLANTA	GA
	DFH	FRIES/SAND MTN	VA
2.76 /4.36	TYO	MARSHALL	NC
2.78 /4.38	RBT	CLEVELAND	GA
	GJG	DANVILLE	VA
2.80 /4.40	ZC	CHARLT/MNT HL	NC
	YTU	BROWNSVILLE	TN
2.82 /4.42	NDQ	NORTON/HIGH KB	VA
2.84 /4.44	OG	NASHVILLE	TN
2.86 /4.46	YON	KNOXVILLE	TN
2.88 /4.48	LNB	GRAFTON	WV
2.90 /4.50	YNY	WILMINGTON	NC
	BBB	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	BVI	MARTINSVILLE	VA
2.92 /4.52	KSM	CANTON	GA
2.94 /4.54	BVW	MT MITCHELL	NC
2.96 /4.56	DOC	ATL/CHESTNUT MT	GA
2.98 /4.58	F	PIKEVILLE	EKY
	YHH	SAURATOWN MT	NC
	VFD	CROSS	SC
3.00 /4.60	N	ASHEVILLE	NC
	NHR	HIGH POINT	NC
3.02 /4.62	ETG	PIKEVILLE	EKY
	ZTL	ATLANTA/BELL	GA
3.04 /4.64	PEN	RALEIGH	NC
	YHH	WINSTON-SALEM	NC
	MOG	CHATTANOOGA	TN
3.06 /4.66	BKM	MACON	GA
	TYQ	MARS HILL	NC
	MEY	NASHVILLE	TN
3.08 /4.68	KPF	LK NORMN/CLT	NC
3.10 /4.70	IQR	ATLANTA	GA
	RXG	SAURATOWN MT	NC
3.12 /4.72	MSK	MT. TOXAWAY	NC
	KHP	TYSONS CORNER	VA
3.14 /4.74	KVC	DALTON	GA
	FG	KINGSTON/LICK KB	WV
3.16 /4.76	BOC	STONE MT	GA
	EXU	SALISBURY	NC
	OAK	DAN/WHT OAK	VA
3.18 /4.78	VCM	CHATTANOOGA	TN
	UCI	JOHNSON CITY	TN
	KOG	MEMPHIS	TN
3.20 /4.80	PML	MORGANTON	NC
3.22 /4.82	C	ATLANTA	GA
	IKY	GREENSBORO	NC
	CCF	ALEXANDRIA	VA
3.24 /4.84	ACY	PERRY	GA
	DAN	GRIFTON	NC
	PLV	BEDFORD	VA
3.26 /4.86	TEM	KNOXVILLE	TN
	UHA	NEWPORT NEWS	VA
3.28 /4.88	RXG	SAURATOWN MT	NC
3.30 /4.90	OPL	MARIETTA	GA
	EOY	COLUMBIA	SC
	ZOK	CHATT/ST/SIGNAL MT	TN
3.34 /4.94	UPC	CANTON	GA
	EV	ROSSVILLE	GA
	NKM	GREENEVILLE	TN
	GVC	CHESAPEAKE	VA
	DBB	ROANOKE/POOR MTN	VA
3.36 /4.96	UDS	SHELBYVILLE	NC
	JVX	GOLDSBORO	NC
	YHH	SAURATOWN MT	NC
3.38 /4.98	JSR	CUMMING/SAWNEE	GA
	CHP	FALLS CHURCH	VA

440 MHZ

9.45 /5.67	DOC	ATLANTA	GA
9.25 /1.25	KIP	ATLANTA	GA
	PXX	BRUNSWICK	GA
	HUV	SAURATOWN MT	NC
	GUP	LEXINGTON	SC
	O	MOUNDSVILLE	WV
	UMU	SUMTER	SC
	WIN	NORFOLK	VA
	MM	ALBANY	GA
	NYR	SHELBY	NC
1.25 /9.25	ERU	MEMPHIS	TN
7.00 /2.00	WAY	PICKENS/CSRS HD	SC
	BIW	MARION	VA
	CSQ	WINCHESTER	VA
7.025/2.025	JA	AUGUSTA	GA
	PML	MORGANTON	NC
7.05 /2.05	DXZ	LANETT(AL)	GA
	XX	JASPER	TN
	BEZ	MEDINA	TN
7.10 /2.10	ACP	EDEN	NC
	ABJ	MILAN	TN
7.15 /2.15	BEA	RALEIGH	NC
7.175/2.175	EO	ROCKY FACE	GA
7.20 /2.20	BJY	JACKSON	TN
	LNB	GRAFTON	WV
7.25 /2.25	HOT	JASPER	TN
	HTI	COVINGTON	VA
7.30 /2.30	VFD	CROSS	SC
7.325/2.325	JSR	CHATTANOOGA	TN
7.50 /2.50	NTZ	KNOXVILLE	TN
	CA	ROANOKE/POOR MT	VA
7.500/2.500	YNY	WILMINGTON	NC
7.55 /2.55	JEH	CONYERS	GA
7.70 /2.70	AZU	SAVANNAH	GA
	VG	ROANOKE	VA
7.80 /2.80	EPG	JACKSON	TN
	QWW	MEMPHIS	TN
7.825/2.825	G	MEMPHIS	TN
7.90 /2.90	AZA	HIGH POINT	NC
8.00 /3.00	EO	CHATSWORTH	GA
	LUR	LAKE CITY	TN
	LUR	LAKE CITY/CRS MT	TN
	QWW	MEMPHIS	TN
	VL	GALAX/PT LOOKOUT	VA
8.05 /3.05	JVX	GOLDSBORO	NC
	PUB	MT JULIET	TN
8.10 /3.10	IZD	LYNCH/BLACK MT	EKY
	GGC	SAURATOWN MT	NC
	HKZ	PARIS MT	SC
	G	FAYETTEVILLE	TN
	FHE	BUCKHANNON	WV
8.15 /3.15	S	AUGUSTA	GA
8.20 /3.20	CLA	SWEAT MT	GA
	TAG	HICKORY VALLEY	TN
8.30 /3.30	KOI	STATESVILLE	NC
	KJH	GATLBG/COVE MT	TN
8.40 /3.40	GMT	CUMBERLAND CITY	TN
	DOR	MEMPHIS	TN
8.45 /3.45	VEK	HIGH PT/LOOKT MT	GA
8.50 /3.50	LVH	ATLANTA	GA
	POZ	GREENSBORO	NC
	WKS	PARIS/GROVE HL	TN
	GUS	TYSONS CORNER	VA
8.55 /3.55	LVH	ATLANTA/SE	GA
	XE	ROARING GAP	NC
8.60 /3.60	ACJ	MARIETTA	GA
	DWU	MT MITCHELL	NC
8.65 /3.65	ZV	ATLANTA	GA
	UMI	HAMPTON	VA
8.70 /3.70	LXW	HIGH POINT	NC
	LBT	LOCUST	NC
8.75 /3.75	TF	COVINGTON	GA
	EDS	ALAMO	TN
	WIC	WINDY GAP MT	VA
8.30 /3.80	EAQ	MANASSAS	VA
8.80 /3.80	OKS	JASPER/BIG BUCK	GA
	HNK	SUMMERVILLE	SC
	NDH	CHESAPEAKE	VA
	JRL	WYTHEVILLE	VA
8.85 /3.85	GTJ	WALESKA/PNLOG MT	GA
	IDB	FRANKLIN	TN
8.875/3.875	LZQ	CAESARS HEAD	SC
8.90 /3.90	GWA	GRIFFIN	GA
	YTU	BROWNSVILLE	TN
	EVG	CHESAPEAKE	VA
8.925/3.925	IU	RINGGOLD	GA
8.95 /3.95	NTG	WILLIAMSBURG	VA
9.00 /4.00	ODX	LAWRENCEVILLE	GA
	JEQ	HICKORY	NC
	ADT	MEMPHIS	TN
	SDC	VIRGINIA BEACH	VA
	IT	MULLENS/HRNDN MT	WV
9.000/4.000	VBA	LINEVILLE (AL)	GA
9.025/4.025	MSE	STONE MT	GA
	RDK	MEMPHIS	TN
9.05 /4.05	POD	MARIETTA	GA
	OG	NASHVILLE	TN
	BLD	BEAR DEN MT	VA
9.10 /4.10	APR	DECATUR	GA
	WTX	DURHAM	NC
	NFQ	CHATTANOOGA	TN
	JXT	MEMPHIS	TN
9.15 /4.15	ZTL	ATLANTA/BELL	GA
	POD	LEXNGTN/COLE MT	VA
	VA	SPRINGFIELD	VA
9.20 /4.20	OHN	COLUMBUS	GA
	LBM	DECATUR	GA
	NEX	MORRISTOWN	TN
	ECM	CHESTER	VA
	EZA	WAYNESBORO	VA
9.25 /4.25	BOC	ATLANTA/STONE MT	GA
	KNI	HENDSVL/BERWLW M	NC
	ETE	MEMPHIS	TN
	RM	SMYRNA	TN
	TFZ	CHARLOTTESVILLE	VA
9.30 /4.30	MNH	CHARLESTON	SC
	HXD	KNOXVILLE	TN
	DDS	MEM/FISHERVILLE	TN
	BLD	WAYNESBORO	VA
9.325/4.325	ACJ	MARIETTA	GA
9.35 /4.35	JF	TIFTON	GA
	DBB	BEDFD/APL ORCH	VA
9.375/4.375	BFD	MT OGELTHORPE	GA
9.40 /4.40	ZW	FAYETTEVILLE	NC
	KOG	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	ARO	PETERSBURG	VA
9.425/4.425	ISI	ALTAVISTA	VA
9.45 /4.45	YTU	BROWNSVILLE	TN
	KWP	GALLATIN	TN
	CRK	FALLS CHURCH	VA
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	LSP	BRISTOL/HLST MT	TN
	KSL	KNOXVILLE	TN
	IZF	MEMPHIS	TN
	HEX	LYNCHBURG	VA
9.525/4.525	USY	SUMTER/SHAW	SC
9.55 /4.55	NEF	TYRONE	GA
	JPA	HAMPTON	VA
9.575/4.575	OG	NASHVILLE	TN
9.60 /4.60	BFB	CHARLOTTE	NC
	NK	KNOXVILLE	TN
	JXI	MEMPHIS	TN
	HFH	ALEXANDRIA	VA
9.625/4.625	WQ	ATLANTA	GA
	MZ	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	HF	SALISBURY	NC
	NKM	GREENEVILLE	TN
	ARO	RICHMOND	VA
9.675/4.675	EBZ	NEWNAN	GA
	AY	NASHVILLE	TN
9.70 /4.70	HHH	ELLIJAY TALONA M	GA
	APS	VALDOSTA	GA

Concludes At Bottom Of Next Page

CVRA-SERA REPEATER INDEX LISTINGS BY CITY-BY-STATE

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	*	PA
ALBEMARLE	K4OGB	146.385	146.985	*	A
AQUADALE	WA4CHZ	147.99	147.39	N	
ASHEBORO	KJ4AV	147.855	147.255	*	PAL
ASHEVILLE	WA4QCO	146.235	146.835	*	A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	*	A
BEARWALLOW MT.	WA4KNI	145.01	BRA	*	K
BENSON	AK4H	147.87	147.27	*	A
BOONE/RICH MTN	KU4V	147.96	147.36	*	
BREVARD/RICH MTN	WB4CJS	147.735	147.135	*	A
BURGAW	W4DLH	146.34	146.94	*	
BURLINGTON	WB4ZIN	146.07	146.67	*	A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	*	
CHARLOTTE	W4BFB	144.63	145.23	N	
CHARLOTTE	W4BFB	144.69	145.29	N	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	N	A
CHARLOTTE	W4CQ	146.46	147.06	*	A
CHARLOTTE	WD4PLY	147.99	147.39	N	PA
CHARLOTTE/RTTY	W4BFB	146.175	146.775	N	R
CHERRY MT	W4TMT	146.07	146.67	N	
CLINTON	WA4LZD	146.19	146.79	N	
CONCORD/KANNAP	K4CEB	146.055	146.655	*	PA
CROWDERS MT	WD4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	*	PA
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	*	
EDEN/MAYODAN	WA4ACP	147.84	147.24	N	O
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
ELIZABETHTOWN	N4DHW	146.175	146.775	N	
FAYETTEVILLE	N4EWG	146.205	146.805	*	
FAYETTEVILLE	WA4FLR	146.445	147.045	*	R
FAYVLLE/CFARS	WB4YZF	146.31	146.91	*	PA
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	N	
FOREST CITY	WA4BKU	147.84	147.24	N	
FRANKLIN	W4ZCZ	144.89	145.49	*	
FRANKLIN	W4GHZ	147.84	147.24	*	
GAST/SPCR MT	W4REW	147.72	147.12	N	A
GASTONIA	K4NOQ	146.205	146.805	*	PA
GIBSONVILLE	WB4IKY	147.72	147.12	*	A
GOLDSBORO	K4CYP	146.25	146.85	*	A
GREENSBORO	K4SNI	146.01	146.61	*	A
GREENSBORO	WA4MSS	146.16	146.76	N	
GREENSBORO	W4GG	147.63	147.03	*	PA
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENSBORO/GLD H	N4AZM	144.65	145.25	*	A
GREENVILLE	WA4DAN	144.75	145.35	*	L
GREENVILLE	K4ROK	147.975	147.375	N	
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	*	
HALIFAX	AA4SJ	146.07	146.67	N	A
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW M	WA4KNI	144.67	145.27	*	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	N	
HIGH POINT	N4XO	144.81	145.41	N	AO
HIGH POINT	N4LDK	146.40	147.00	*	LA
HIGH POINT	KB4BPV	147.435	146.835	*	PA
HIGH POINT	KJ4RT	147.765	147.165	*	PA
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
JACKSONVILLE	WD4FVO	146.40	147.00	*	A
JEFFERSON	W4YJG	147.90	147.30	*	A
LAURINBURG	K4QWK	146.025	146.625	*	A
LENOIR	N4NIN	147.795	147.195	N	C
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEXINGTON	K4IZM	146.31	146.91	*	EA
LK NORMN/CLT	WB4KPF	147.615	147.015	*	PA
LUMBERTON	W4NHV	147.90	147.30	*	PA
LUMBERTON	WV4Z	147.96	147.36	*	PA
MACO	WA4LED	147.66	147.06	N	
MADISON	KA4YFF	146.295	146.895	N	
MAGGIE VALLEY	W4HCY	147.405	146.805	*	
MANTEO/WANCHESE	W4ACY	146.34	146.94	*	
MARION	WD4PVE	146.385	146.985	*	A
MAYODAN	WA4ACP	144.69	145.29	N	
MILLERS CREEK	N4GGN	146.115	146.715	*	A
MONROE	K4JCK	147.705	147.105	N	A
MONROE/UCARS	KF4NJ	144.79	145.39	*	PA
MORENTN/HI PK	WB4UDS	144.55	145.15	N	
MORGANTON	K4VLY	147.75	147.15	*	
MOUNTAIN HOME	K4GHH	147.705	147.105	*	
MT AIRY	WA4ZAS	146.37	146.97	N	EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94	N	R
MT AIRY/TRNR MT	KD4J	144.73	145.33	N	A
MT MITCHELL	WA4BVW	144.59	145.19	*	
MURPHY	KC4WB	147.795	147.195	N	
N. WILKESBORO	N4AGN	144.77	145.37	*	PA
NAGS HEAD/BODIE	N4JXG	146.235	146.835	*	PA
NEW BERN	WD4JMS	146.01	146.61	*	A
NEWPORT	K4GRW	144.85	145.45	N	AL
NEWTON	AG4L	147.675	147.075	*	A
NEWTON/ANDSN MT	W4ZQB	144.57	145.17	N	
OXFORD	N4EKK	144.57	145.17	*	PA
RALEIGH	N4BEA	144.67	145.27	N	PAL
RALEIGH	N4CBI	144.89	145.49	N	
RALEIGH	W4DW	146.04	146.64	*	
RALEIGH	K4BWC	146.13	146.73	*	PA
RALEIGH	K4ITL	146.28	146.88	*	L

DISTRIBUTION OF REPEATERS BY FREQUENCY

	JEH	ROCKY MOUNT	NC
	DRU	MT PLEASANT	SC
	MMI	MEMPHIS	TN
	LG	MORGANTOWN	WV
9.725/4.725	TIW	DALTON	GA
9.75 /4.75	EMM	CONYERS	GA
	RFA	ROCK HILL	SC
	BFS	ELIZ/HOLSTON MT	TN
	KQI	FOREST	VA
	JYF	TYSONS CORNER	VA
9.775/4.775	NEQ	ATLANTA/MARIETTA	GA
	QES	NASHVILLE	TN
9.80 /4.80	J	GREENVILLE	NC
	UY	MT. AIRY/FSH PK	NC
	JXI	MEMPHIS	TN
	MIC	OILVILLE	VA
	FRV	KINSTON/LICK KB	WV
	CUL	MORGANTOWN	WV
9.825/4.825	ZBP	STAUNTON	VA
9.85 /4.85	NFP	ATLANTA/MARIETTA	GA
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	ARO	RICHMOND	VA
9.875/4.875	LRD	CHATTANOOGA	TN
	THG	NASHVILLE	TN
	FMD	JANE LEW	WV
9.90 /4.90	COS	ASHVL/MT PISGAH	NC
	ZW	FAYETTEVILLE	NC
	VBC	NEW BERN	NC
	J	WILSON	NC
	MMI	MEMPHIS	TN
9.925/4.925	NNO	ATLANTA	GA
	BUH	ANDERSON/SAS MT	SC
	ETE	MEMPHIS	TN
	BON	ROANOKE/POOR MT	VA
9.95 /4.95	I	AUGUSTA	GA
	KIN	PERRY	GA
	WXL	RALEIGH	NC
	SIR	BENTON/BEAN MT	TN
	KQO	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	COV	S. CHARLESTON	WV
9.975/4.975	YNZ	ATLANTA	GA
	TVE	BRUNSWICK	GA
	HPP	MEMPHIS	TN
	OES	NASHVILLE	TN
	O	WHEELING	WV
6.65 /6.65	DBB	ROANOKE	VA
4.225/9.225	JCE	MANASSAS	VA
4.825/9.825	DOC	ATLANTA	GA
4.90 /9.90	OLL	MACON	GA
	FOR	WOODBRIDGE	VA
4.925/9.925	TSC	WINCH/BLUEMONT	VA

920 MHZ

7.10 /9.10	TAG	HICKORY VALLEY	TN
9.10 /1.10	DRL	MEM/FISHERVILLE	TN

1270 MHZ

1.40 /1.40	DOC	ATL/CHESTNUT MT	GA
1.10 /1.10	DRL	MEM/FISHERVILLE	TN
1.20 /1.20	TAG	HICKORY VALLEY	TN

6 METERS

2.58 /2.48	DCS	FAIRFAX	VA
2.525/2.525	YAO	HENDERSONVILLE	NC
	AZA	HIGH POINT	NC
	TFZ	CHARLOTTESVILLE	VA
2.64 /2.84	KHP	FAIRFAX STA	VA
2.01 /3.01	YAO	HENDERSONVILLE	NC
	LRD	CHATTANOOGA	TN
	KOG	MEMPHIS	TN
	POD	LEXINGTN/COLE MT	VA
	LSP	NORTON/HIGH KP	VA
2.03 /3.03	EDU	AUGUSTA	GA
	DTS	ROANOKE RAPIDS	NC
2.05 /3.05	UPC	WALESKA/PHLOG MT	GA
	HSN	COPE	SC
	DKL	BOLT/BOLT MT	WV
2.07 /3.07	VBA	LINEVILLE(ALI	GA
	NNN	LOUISA	VA
2.09 /3.09	MPW	ATL/MARIETTA	GA
	BON	ROANOKE/POOR MT	VA
2.13 /3.13	CCF	ALEXANDRIA	VA
	GJG	DANVILLE(DCC)	VA
2.15 /3.15	IOB	KNXVL/ENG MT	TN
	DBB	BEDFORD/THAX MT	VA
2.19 /3.19	UCE	COOKEVILLE	TN
2.23 /3.23	ZKL	GUTHRIE	EKY
	ZKL	GUTHRIE (TN/KY)	TN
2.25 /3.25	RZF	RALEIGH/BUTNER	NC
	YON	KNOXVILLE	TN
	FJ	RIDGEWAY	VA
	DBB	ROANOKE	VA
2.27 /3.27	DRL	MEM/FISHERVILLE	TN
2.35 /3.35	GBI	KNOXVILLE	TN
2.41 /3.41	YXY	PICKENS	SC
2.43 /3.43	B	RICHMOND	VA
2.45 /3.45	MPM	FLAT GAP	EKY
	KWP	GALLATIN	TN
2.47 /3.47	MDW	HICKORY	NC
2.55 /3.55	JEH	CONYERS	GA
	RDK	MEMPHIS	TN
2.03 /3.63	JKA	ST ALBANS/COAL	WV
2.06 /3.66	JYR	DANVILLE/MADSN	WV
2.67 /3.67	WRS	STATESVILLE	NC
	TAG	HICKORY VALLEY	TN
2.09 /3.69	SVR	HERNSHAW/BEE MT	WV
2.12 /3.72	CDE	RAND	WV

10 METERS

9.60 /9.60	TFZ	CHARLOTTESVILLE	VA
	OTF	NEWPORT NEWS	VA
9.52 /9.62	LVH	ATLANTA	GA
	XE	WILKESBORO	NC
	IOB	KNXVL/ENG MT	TN
	ZJM	MEMPHIS/FRAYSER	TN
9.54 /9.64	W	JACKSON	TN
9.54 /9.64	CC	ATL/MARIETTA	GA
	BZU	DONELSON	TN
	TAG	HICKORY VALLEY	TN
	BON	ROANOKE/POOR MT	VA
9.56 /9.66	ACP	EDEN	NC
	ZBP	STAUNTON	VA
9.58 /9.68	MM	ALBANY	GA
	K	CONYERS	GA
	BZJ	DALTON	GA
	XX	JASPER	TN
	DRL	MEM/FISHERVILLE	TN
	MZ	ONEIDA PK/BLFLD	VA
	DN	STERLING	VA

MORE NORTH CAROLINA REPEATERS

RALEIGH	K4ITL	147.75	147.15	✯	PA
RANDLEMAN/GBO	WD4CVM	144.55	145.15	✯	
REIDSVILLE	K4YFT	146.25	146.85	N	
ROANOKE RAPIDS	K4ITL	144.71	145.31	✯	CL
ROANOKE RAPIDS	WA4DTS	147.63	147.03	N	
ROARING GAP	WB4PZA	146.22	146.82	✯	A
ROB/JOANNA BLD	WD4CNS	146.445	147.045	N	
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12	N	PA
SALISBURY	W4EXU	146.13	146.73	✯	PA
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	✯	R
SAURATOWN MT	WA4GIC	144.87	145.47	✯	
SAURATOWN MT	N4LDK	146.19	146.79	✯	PA
SHALLOTTE	K4PPD	144.69	145.29	✯	PA
SHALLOTTE	N4FAU	147.99	147.39	✯	PA
SHELBY	W4NYR	146.28	146.88	✯	
SHELBY	W4NYR	147.945	147.345	N	PA
SMITHFIELD	KD4JQ	146.37	146.97	✯	A
SPARTA/GREEN MT	K4ITL	144.83	145.43	✯	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685	✯	PA
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	
SWANSBORO	KO4S	146.16	146.76	✯	
TRENTON	K4ITL	144.61	145.21	✯	L
TUCKASEGEE	W8OMV	147.90	147.30	N	
UNION CROSS	WA4RBW	147.915	147.315	✯	
WADESBORO	WA4IAT	146.235	146.835	N	
WASHINGTON	WA4TEP	147.945	147.345	N	
WAXHAW	WA4ZRS	147.465	146.865	✯	PA
WAYNESVILLE	N4SM	147.87	147.27	✯	A
WHITEVILLE	K4MSD	147.81	147.21	✯	
WILLIAMSTON	KA4KNU	144.81	145.41	✯	A
WILMINGTON	W4VNK	146.13	146.73	✯	PA
WILMINGTON	K4GMP	146.22	146.82	✯	L
WILMINGTON	N4CTJ	147.78	147.18	N	A
WILSON	WB4THL	146.16	146.76	✯	
WINSTON-SALEM	WA4GIC	146.04	146.64	✯	AL

220 MHZ

ASHEVILLE	NC4N	223.00	224.60	✯	L
ASHVL/MT PISGAH	WA4BVW	222.34	223.94	✯	
CHARLT/MINT HL	KE4ZC	222.80	224.40	✯	
CHERRYVILLE	WB4UDS	223.36	224.96	N	
FAYETTEVILLE	W4EHF	222.42	224.02	✯	
GOLDSBORO	WB3JVX	223.36	224.96	N	EAC
GREENSBORO	WB4IKY	223.22	224.82	✯	A
GRIFTON	WA4DAN	223.24	224.84	✯	
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	✯	
HICKORY	WA4MDW	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92	✯	LA
HIGH POINT	N4NNR	223.00	224.60	✯	PA
HILLSBOROUGH	WA4WTX	222.34	223.94	✯	L
LENOIR/HIBRITN	KN4K	222.56	224.16	✯	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	✯	
LOCUST	WA4ZIA	222.40	224.00	✯	PAL
LUMBERTON	WB4WOR	222.54	224.14	N	
MARS HILL	KA4TYO	223.06	224.66	N	C
MARSHALL	KA4TYO	222.76	224.36	N	
MORGANTON	WB4PML	223.20	224.80	✯	
MT MITCHELL	WA4BVW	222.94	224.54	✯	
MT. TOXAWAY	K4MSK	223.12	224.72	N	
RALEIGH	WA4PEN	223.04	224.64	N	
ROCKY MOUNT	NF4C	222.36	223.96	✯	PA
SALISBURY	W4EXU	223.16	224.76	✯	L
SAURATOWN MT	WA4YHH	222.98	224.58	✯	C
SAURATOWN MT	W4RXG	223.10	224.70	✯	R
SAURATOWN MT	W4RXG	223.28	224.88	✯	
SAURATOWN MT	WA4YHH	223.36	224.96	✯	C
STATESVILLE	WA4PVI	222.70	224.30	N	
WILMINGTON	K4YNY	222.90	224.50	✯	CL
WINSTON-SALEM	WA4YHH	223.04	224.64	✯	PA

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

440 MHZ

ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CHARLOTTE	W4BFB	449.60	444.60	N	
CHARLOTTE	W4CQ	449.85	444.85	✯	
DURHAM	WA4WTX	449.10	444.10	✯	AL
EDEN	WA4ACP	447.10	442.10	N	
FAYETTEVILLE	KB4ZW	449.40	444.40	N	
FAYETTEVILLE	KB4ZW	449.90	444.90	N	P
GOLDSBORO	WB3JVX	448.05	443.05	N	EA
GREENSBORO	WD4PQZ	448.50	443.50	N	
GREENVILLE	AI4J	449.80	444.80	N	
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	✯	
HICKORY	K4JEQ	449.00	444.00	✯	
HIGH POINT	K4AZA	447.90	442.90	✯	L
HIGH POINT	N4LXW	448.70	443.70	N	
LOCUST	WA4LBT	448.70	443.70	✯	L PA
MORGANTON	WB4PML	447.025	442.025	✯	
MT AIRY/FSH PK	KF4UY	449.80	444.80	✯	L
MT MITCHELL	N4DWU	448.60	443.60	✯	
NEW BERN	WA4VBC	449.90	444.90	✯	O
RALEIGH	N4BEA	447.15	442.15	N	L
RALEIGH	WA1WXL	449.95	444.95	✯	
ROARING GAP	KC4XE	448.55	443.55	✯	L
ROCKY MOUNT	N4JEH	449.70	444.70	✯	PA
SALISBURY	KJ4HF	449.65	444.65	✯	ARB
SAURATOWN MT	WA4HUV	439.25	421.25	✯	V
SAURATOWN MT	N4GGC	448.10	443.10	✯	L
SHELBY	W4NYR	439.25	427.25	✯	V
STATESVILLE	KB4KQI	448.30	443.30	✯	RB
WILMINGTON	K4YNY	447.500	442.500	✯	
WILMINGTON	K4GMP	449.85	444.85	✯	
WILSON	NE4J	449.90	444.90	✯	

10 METERS

EDEN	WA4ACP	29.56	29.66	N	
WILKESBORO	KC4XE	29.52	29.62	✯	L

6 METERS

HENDERSONVILLE	WB4YAO	52.01	53.01	N	
HENDERSONVILLE	WB4YAO	52.525	52.525	N	RB
HICKORY	WA4MDW	52.47	53.47	N	
HIGH POINT	K4AZA	52.525	52.525	N	RB
RALEIGH/BUTNER	WB4RZF	52.25	53.25	N	C
ROANOKE RAPIDS	WA4DTS	52.03	53.03	N	
STATESVILLE	WA4WRS	52.67	53.67	N	

PACKET

BIG KNOB MT.	K4ZMC-1	145.01	N	K
CHARLOTTE	W4CQ-1	145.01	✯	K
CHARLOTTE	W4BFB-1	145.01	N	K
CHERRY MTN	WB4RDL-1	145.01	N	K
COLFAX	KE4TH-1	145.07	N	K
CONCORD	K4CEB-1	145.05	✯	K
GOLDSBORO	K4CYP-1	145.01	✯	K
GREENSBORO	WB4WOR-5	145.01	N	K
GREENVILLE	WD4JPQ-1	145.01	✯	K
LINVILLE	KB4NHB-2	145.05	✯	K
LUMBERTON	W4NHV	145.01	✯	K
RALEIGH	K4ITL-1	145.01	✯	K
RALEIGH	K4BWC-1	145.01	✯	K
SAURATOWN MT	W4RXG-1	145.01	N	K

VIRGINIA REPEATERS

2 METERS

ACCOMAC	WA4TVS	147.855	147.255	✯	EA
ALEXANDRIA	N4FSC	144.71	145.31	M	PA
ALEXANDRIA	WD4PDP	146.055	146.655	M	PA
ALEXANDRIA	W4HFH	147.915	147.315	M	L
ALTAVISTA	WA4ISI	146.055	146.655	✯	A
ARLINGTON	N4EFJ	144.87	145.47	M	
ARLINGTON	WA4YVM	146.445	147.045	M	T
BARREN SPRINGS	K4HZS	146.07	146.67	✯	
BEDFD/APL ORCH	WB4DBB	144.63	145.23	✯	L
BEDFORD	WB4JBJ	147.705	147.105	✯	LRPA
BLACKSBURG	AB9I	146.115	146.715	N	
BLAND	N4AZJ	144.75	145.35	✯	PA
BLUEFIELD	W8MOP	144.89	145.49	✯	PA
BRISTOL	WD4CYZ	146.28	146.88	N	
BRUMLEY MT	K4LSP	146.01	146.61	✯	EA
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	✯	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	✯	
CHASE CITY	W4AXH	146.31	146.91	✯	
CHESAPEAKE	K4NDH	144.69	145.29	✯	EA
CHESAPEAKE	N4GSP	146.01	146.61	✯	A
CHESAPEAKE	N4SD	146.19	146.79	✯	A
CHESTERFIELD	KA4CBB	147.96	147.36	✯	
CHESTERFLD CO	WA4ECM	147.66	147.06	2	PA
COVINGTON	WA4HTI	146.205	146.805	N	
CULPEPPER	N4FAF	147.72	147.12	M	
DANTE	KA4JNC	146.085	146.685	N	C

MORE VIRGINIA REPEATERS

DANTE	WD4CYZ	147.855	147.255	N	
DANVILLE	K4YZR	147.95	147.35	N	NB
DANVILLE(DCC)	WB4GJG	146.325	146.925	*	A
DANVILLE/WHT OAK	K4WQS	146.10	146.70	N	
DUFFLD/POWLL MT	KA4BHH	146.10	146.70	*	
FAIRFAX	W4LBL	146.19	146.79	M	PA
FALLS CHURCH	W4AQD	144.75	145.35	M	T
FARMVILLE	WA4QQI	144.73	145.33	*	
FINCASTLE	W4WIC	146.04	146.64	*	AL
FRANKLIN	K4SPS	147.90	147.30	N	PA
FREDRICKSBURG	WB4LNT	147.615	147.015	M	
GALAX	WA4ZIV	144.79	145.39	N	
GALAX/BRIRP MT	N4VL	147.69	147.09	*	
GALAX/LKOUT MT	N4VL	144.53	145.13	*	
GLOUCESTER	KA2IMI	144.77	145.37	*	
GRUNDY	K4HWQ	147.92	147.32	N	ANB
GRUNDY/BIG A MT	WD4DCX	146.235	146.835	N	
GUM SPRING	KB4GX	147.87	147.27	N	
HAMPTON	K4DHO	146.13	146.73	*	PA
HAMPTON	K4UMI	146.34	146.94	N	T
HARRISONBURG	WX4C	147.825	147.225	*	
HILLSVILLE	WD4BTJ	147.975	147.375	N	A
JONESVILLE	WA4OVC	146.31	146.91	*	
KILMARNOCK	W2MS	144.61	145.21	N	A
LEXINGTON	KI4ZR	147.90	147.30	*	
LEXNGTN/COLE MT	K4PQD	147.93	147.33	N	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	K4STE	146.16	146.76	N	A
LYNCHBURG	AB4M	147.43	144.93	N	NB
LYNCHBURG	WA4RTS	147.795	147.195	N	
LYNCHBURG	KB4ILD	147.975	147.375	N	PA
MADISON	N4AJO	147.99	147.39	M	
MANASSAS	WD4JCE	144.67	145.27	M	R
MANASSAS	WA4FPM	146.37	146.97	*	PA
MARION	N4BIW	146.04	146.64	*	
MARTINSVILLE	AB4L	147.885	147.285	*	
MCLEAN	WD4IWG	147.81	147.21	M	R
MOUNTAIN LAKE	KD8MZ	147.465	146.865	N	RB I
MT. LK/BALD KNB	K4TUE	146.31	146.91	N	O
NEW MARKET	K4AVW	146.025	146.625	*	
NEWPORT NEWS	WA4OHX	144.89	145.49	N	PA
NEWPORT NEWS	WB4CTF	147.765	147.165	*	PAL
NORFOLK	NE4D	146.10	146.70	*	EA
ONEIDA PEAK/BLF	KD8MZ	146.355	146.955	*	PAL
PEARISBURG	N4AZJ	147.735	147.135	*	
PETERSBURG	K4ARO	144.55	145.15	N	
PETERSBURG	N4KAF	147.78	147.18	N	
PETERSBURG	K4ARO	147.99	147.39	*	
PKS KB/PULASKI	KT4Z	147.78	147.18	N	PA
PORTSMOUTH	N4MG	146.25	146.85	N	
RICHMOND	K4YPE	144.51	145.11	*	A
RICHMOND	NB4B	144.59	145.19	N	
RICHMOND	W4SQT	144.83	145.43	*	PA
RICHMOND	WB4QEY	146.04	146.64	*	PA
RICHMOND	WA4ECM	146.235	146.835	*	
RICHMOND	WA4ZBE	146.28	146.88	*	EA
RICHMOND	W4ZA	146.34	146.94	*	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	*	
ROANOKE	WB4QET	146.34	146.94	N	A
ROANOKE/POOR MT	WB4QOJ	146.145	146.745	N	LPA
ROANOKE/POOR MT	W4CA	146.385	146.985	*	PAL
SALEM	W4PDL	146.28	146.88	N	
SOUTH HILL	N4OKH	147.84	147.24	*	
STAUNTON	W4XD	146.10	146.70	*	
STAUNTON	WA4ZBP	146.25	146.85	*	
STAUNTON	W4WRN	146.37	146.97	N	EA
STAUNTON/EL. KB	W4WRN	147.645	147.045	N	
STERLING	WA4TXE	146.115	146.715	M	
SUFFOLK	WA4HMT	146.40	147.00	N	PA
TAZEWELL	WA4QKH	147.75	147.15	N	
TYSONS CORNER	WB4FMD	146.31	146.91	M	PA
VIENNA	K4HTA	146.085	146.685	M	
VIRGINIA BEACH	WA4KXV	146.295	146.895	*	
VIRGINIA BEACH	WA4KXV	146.37	146.97	*	PA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	*	
VOLENS	WD4LBM	146.46	147.06	*	
WARRENTON	WB4FJT	147.765	147.165	M	
WARSAW	KA4ZIP	147.93	147.33	*	EA
WAYNESBORO	W4BLD	147.63	147.03	*	
WAYNSBR/BEAR DEN	W4PNT	147.675	147.075	*	PAL
WILLIAMSBURG	W4NTG	146.07	146.67	*	
WILLIAMSBURG	KB4ZIN	146.16	146.76	*	A
WINCH/BLUEMONT	WA4TSC	147.90	147.30	M	
WINCHESTER	W4RKC	146.22	146.82	*	
WISE/HIGH KNOB	K4AXO	147.81	147.21	N	
WOODBRIDGE	WB4FQR	147.84	147.24	M	A
WYTHEVILLE	KC4VR	144.67	145.27	*	AL
WYTHEVILLE	WD4MUQ	146.175	146.775	*	
YORKTOWN	K4UMI	144.63	145.23	N	P
YORKTOWN	WD4SDC	147.825	147.225	N	

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	L
BEDFORD	N4PLV	223.24	224.84	N	
BEDFORD/APL MT	WB4DBB	223.94	222.34	*	RB
CHESAPEAKE	WA6GVC	223.34	224.94	N	
DAN/WHT OAK	K4OAK	223.16	224.76	N	
DANVILLE	WB4GJG	222.78	224.38	*	
DELTAVILLE	AA4HQ	222.40	224.00	N	
FAIRFAX	WB4YHD	222.50	224.10	M	L
FALLS CHURCH	N4CHP	223.38	224.98	M	PA
FARMVILLE	WB4PEA	222.60	224.20	N	
FRIES/SAND MTN	WA4DFH	222.74	224.34	*	
LYNCHBURG	AB4M	222.68	224.28	N	
MARTINSVILLE	WB4BVI	222.90	224.50	*	EA
NEWPORT NEWS	KB4UHA	223.26	224.86	N	
NORTON/HIGH KB	WA4NDQ	222.82	224.42	N	
ROANOKE	WB4DBB	222.50	224.10	*	L
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	N	
STERLING PK	WD4KHP	222.12	223.72	M	
TYSONS CORNER	WD4KHP	223.12	224.72	M	L
VIRGINIA BEACH	WD8DAS	222.58	224.18	N	

440 MHZ

ALEXANDRIA	W4HFH	449.60	444.60	M	
ALTAVISTA	WA4ISI	449.425	444.425	*	L
BEAR DEN MT	W4BLD	449.05	444.05	*	
BEDFD/APL ORCH	WB4DBB	449.35	444.35	*	L
BLUEFIELD	KD8MZ	449.625	444.625	*	LPA
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	*	
CHESAPEAKE	K4NDH	448.80	443.80	*	PA
CHESAPEAKE	N4EVG	448.90	443.90	*	PA
CHESTER	WA4ECM	449.20	444.20	N	RB
COVINGTON	WA4HTI	447.25	442.25	N	
FALLS CHURCH	WB8CRK	449.45	444.45	M	L
FOREST	WD4KQI	449.75	444.75	N	
GALAX/PT LOOKOUT	N4VL	448.00	443.00	*	L
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	WB4JPA	449.55	444.55	N	
LEXNGTN/COLE MT	K4PQD	449.15	444.15	N	
LYNCHBURG	K4HEX	449.50	444.50	N	
MANASSAS	WD4JCE	444.225	449.225	M	L
MANASSAS	WB3EAQ	448.30	443.80	M	
MARION	N4BIW	447.00	442.00	*	
NORFOLK	W4WIN	439.25	426.25	N	V
OILVILLE	KB4MIC	449.80	444.80	N	
PETERSBURG	K4ARO	449.40	444.40	*	
RICHMOND	K4ARO	449.65	444.65	*	
RICHMOND	K4ARO	449.85	444.85	*	
ROANOKE	WB4DBB	446.65	446.65	*	L
ROANOKE	N4VG	447.70	442.70	*	
ROANOKE/POOR MT	W4CA	447.50	442.50	*	L
ROANOKE/POOR MT	WB8BON	449.925	444.925	N	CL
SPRINGFIELD	AA4VA	449.15	444.15	M	
STAUNTON	WA4ZBP	449.825	444.825	*	
STAUNTON	W4WRN	449.95	444.95	N	
TYSONS CORNER	WB6GUS	448.50	443.50	M	
TYSONS CORNER	K4JYF	449.75	444.75	M	
VIRGINIA BEACH	WD4SDC	449.00	444.00	N	C
VIRGINIA BEACH	WA4KXV	449.95	444.95	*	
WAYNESBORO	WA4EZA	449.20	444.20	N	
WAYNESBORO	W4BLD	449.30	444.30	*	
WILLIAMSBURG	W4NTG	448.95	443.95	*	
WINCH/BLUEMONT	WA4TSC	444.925	449.925	N	NB
WINCHESTER	W3CSG	447.00	442.00	M	
WINDY GAP MT	W4WIC	448.75	443.75	*	L
WOODBRIDGE	WB4FQR	444.90	449.90	M	
WYTHEVILLE	KA4JRL	448.80	443.80	N	C

10 METERS

CHARLOTTESVILLE	WA4TFZ	29.60	29.60	*	RB
NEWPORT NEWS	WB4CTF	29.60	29.60	*	RB
ONEIDA PK/BLFLD	KD8MZ	29.58	29.68	N	
ROANOKE/POOR MT	WB8BON	29.54	29.64	N	CL
STAUNTON	WA4ZBP	29.56	29.66	*	RB
STERLING	KD4DN	29.58	29.68	M	

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	M	L
BEDFORD/THAX MT	WB4DBB	52.15	53.15	*	
CHARLOTTESVILLE	WA4TFZ	52.525	52.525	*	RB
DANVILLE(DCC)	WB4GJG	52.13	53.13	*	
FAIRFAX	KA4DCS	52.58	52.48	M	NB
FAIRFAX STA	WD4KHP	52.64	52.84	N	NB
LEXNGTN/COLE MT	K4PQD	52.01	53.01	N	L
LOUISA	KA4NNN	52.07	53.07	N	
NORTON/HIGH KB	K4LSP	52.01	53.01	N	
RICHMOND	NB4B	52.43	53.43	N	

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MORE VIRGINIA REPEATERS

RIDGEWAY	KE4FJ	52.25	53.25	N	
ROANOKE	WB4DBB	52.25	53.25	✲	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	N	CL

PACKET

ACCOMAC	KJ4AG-1	145.01	✲	K
ACCOMAC	KJ4AG-3	145.03	✲	K
AFTON MT.	W4BLD-2	145.03	✲	K
BEAR DEN MT	W4BLD-1	145.01	✲	K
CHARLOTTESVILLE	WA4TFZ-2	145.03	✲	K
CHESAPEAKE	N4SD-1	145.01	✲	K
COVINGTON	WA4PGI-1	145.01	N	K
FANCY GAP	WA4LWE-1	145.01	N	K
FORK MTN	WA4FRV-3	145.01	N	K
FREDERICKSBURG	KB4OB-1	145.01	M	K
GARRISONVILLE	AA4PB-1	145.01	N	K
GRUNDY/GDY	KK4EH-1	145.01	N	K
HAMPTON	K4UMI-5	145.01	N	K
LYNCHBURG	K4LKQ-1	145.01	N	K
MARION	KC4VR-4	145.01	✲	K
MARION	KC4IH-2	145.01	N	K
MIDDLEBURG	WA4TSC-1	145.01	N	K
NASSAWADOX	KJ4AG-2	145.01	✲	K
NORTON/HI KNOB	KC4IH-1	145.01	N	K
ONEIDA PEAK/BLF	WB4BBF-1	145.01	✲	K
PEARISBURG	KC4VR-2	145.01	✲	K
PETERSBURG	K4ARO-1	145.01	✲	K
RICHMOND	K4ARO-2	145.05	N	K
ROANOKE	N4FHL-1	145.01	N	K
ROANOKE	WB4QOJ-1	145.07	N	K
STEPHENS CITY	W3CSG	145.01	N	K
VIRGINIA BEACH	WA4KXV-1	145.01	✲	K
WASHINGTON, D.C.	WB4JFI-5	145.01	N	K
WOODBRIDGE	WB4FQR-4	145.01	N	K
WOODBRIDGE	KA4USE-1	145.07	N	K
WYTHEVILLE	KC4VR-1	145.01	✲	K

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	
BLOUNTVILLE	WA4KMG	147.60	147.00	N	
BRISTOL	WB4DKI	146.07	146.67	✲	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	WA4ABU	146.055	146.655	N	
BROWNSVILLE	KB4YTU	146.16	146.76	N	C
CARTHAGE	N4OTT	144.59	145.19	N	C
CHATT/SIGNAL MT	KW4Z	146.055	146.655	✲	
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00	N	PA
CHATTANOOGA	K4VCM	144.69	145.29	✲	
CHATTANOOGA	KB4TZ	144.79	145.39	✲	A
CHATTANOOGA	K4CMY	146.01	146.61	✲	
CHATTANOOGA	W4DSK	146.19	146.79	✲	A
CLARKSVILLE	WA4TEQ	147.60	147.00	N	
CLARKSVILLE	N2BVO	147.675	147.075	N	
CLARKSVILLE	AA4TA	147.99	147.39	✲	
CLEVELAND	W4MEP	146.31	146.91	N	C
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	✲	PA
COVINGTON	WA4VXW	147.93	147.33	N	
CROSSVILLE	KE4RX	146.04	146.64	✲	
CROSSVILLE	W4CV	147.93	147.33	N	
CUMBERLAND CTY	N4GMT	144.73	145.33	N	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15	✲	
DONELSON	WA4BZU	147.885	147.255	N	TPA
DYERSBURG	AA4HF	146.145	146.745	N	
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	
FRANKLIN	WB4HCK	144.55	145.15	N	RB
GALLATIN	W4NIT	147.84	147.24	N	PA
GALLATIN	WA4YQC	147.87	147.27	N	PA
GERMANTON	KA4ATI	147.69	147.09	N	
GRAY	WD4SBX	147.99	147.39	✲	A
GREENEVILLE	K4EPC	144.79	145.39	✲	
GREENEVILLE	WB4TUO	144.81	145.41	✲	
GRNVLE/GRYSTN	WA4LYF	147.66	147.06	N	A
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LEA
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	N	
HARRIMAN	WA4RHV	147.615	147.015	N	C
HENDERSONVILLE	WB4WZK	144.67	145.27	✲	
HENDERSONVILLE	N4WF	147.945	147.345	N	
HERMITAGE	WB4DOR	144.79	145.39	N	
HICKORY VALLEY	KA5TAG	144.73	145.33	✲	L
HOLSTON MT/E TN	WB4SQC	144.69	145.29	✲	PA
HUMBOLDT	NQ4Y	144.75	145.35	N	
JACKSON	KF4SC	144.71	145.31	N	
JACKSON	W4WKZ	147.81	147.21	N	
JAMESTOWN	KE4JE	144.55	145.15	N	
JASPER	KD4XX	144.59	145.19	N	
JASPER	N4HQT	147.915	147.315	N	
JOHNSON CITY	W4ABR	146.19	146.79	N	A
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	✲	PA
KNOXVILLE	N4IJL	144.51	145.11	N	
KNOXVILLE	W4BBB	144.61	145.21	✲	A
KNOXVILLE	WA4TEM	144.73	145.33	✲	AL
KNOXVILLE	N4GRC	144.77	145.37	✲	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47	✲	
KNOXVILLE	WB4GBI	146.025	146.625	✲	C
KNOXVILLE	WB4GBI	146.34	146.94	✲	
KNOXVILLE	WB4GBI	147.675	147.075	✲	A
KNOXVILLE	W4BBB	147.90	147.30	✲	
KNXVL/CROSS MT	KA4OAK	147.96	147.36	N	
KNXVL/ENG MT	WB4IOB	146.13	146.73	✲	
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	N	
LAVERNE	KJ4RA	144.63	145.23	N	
LENOIR CITY	KB4PIO	146.085	146.685	N	C
LEXINGTON	WB4LGH	146.43	147.03	N	
LOUDON	KE4V	144.57	145.17	✲	
MANCHESTER	W4UOT	146.10	146.70	✲	PA
MARTIN	WA4ZQX	146.025	146.625	✲	
MCMINNVILLE	WD4MWQ	146.37	146.97	✲	A
MCMINVL/SHT MT	W4KKO	144.89	145.49	✲	
MEDINA	K4BEZ	146.37	146.97	N	A
MEM/FISHERVILLE	N4DRL	144.65	145.25	✲	AL
MEMPHIS	KOJXI	144.55	145.15	N	
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	WB4KQQ	146.04	146.64	✲	EA
MEMPHIS	W4UFT	146.10	146.70	N	
MEMPHIS	WB4DAZ	146.13	146.73	✲	PA
MEMPHIS	K4FZJ	146.19	146.79	N	
MEMPHIS	W4BS	146.22	146.82	✲	PA
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	✲	A
MEMPHIS	K4BN	146.34	146.94	✲	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	WA4ZJM	146.43	147.03	N	L
MEMPHIS	WA4MQQ	146.46	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA5KUB	147.75	147.15	N	
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WA4OWI	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	N	
MEMPHIS	WB4MMI	147.96	147.36	N	
MILLINGTON	W4ODR	147.63	147.03	N	L
MORRISTOWN	WD4PRQ	147.63	147.03	N	EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
NASHVILLE	WD4FFM	144.69	145.29	N	
NASHVILLE	WD4JYD	144.75	145.35	N	
NASHVILLE	KI4OG	144.77	145.37	✲	
NASHVILLE	N4ARK	144.87	145.47	N	
NASHVILLE	WA4PCD	146.01	146.61	N	PA
NASHVILLE	WB4NTM	146.04	146.64	N	EA
NASHVILLE	W4PQP	146.16	146.76	✲	
NASHVILLE	W4SQE	146.19	146.79	✲	
NASHVILLE	WA4PCD	146.25	146.85	N	PA
NASHVILLE	WA4PCD	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	AF4K	147.615	147.015	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WB4ZSA	147.90	147.30	N	
NASHVILLE	N4AJS	147.93	147.33	N	
NASHVILLE S.	WB4NTM	147.96	147.36	N	R
NASHVILLE S.W.	WB4NTM	146.07	146.67	N	EA
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12	✲	
OAK RIDGE	K4EAJ	147.75	147.15	✲	RL
PARIS	K4KLX	147.96	147.36	N	A
PETROS	KJ4SI	147.855	147.255	✲	
PIKEVILLE	K4MJM	147.885	147.285	✲	
PINSON	WBOTMC	147.87	147.27	N	C
POLK CTY/OSWALD	WD4DES	147.78	147.18	N	
PULASKI/MUSIC MT	W4JVO	146.175	146.775	✲	EA
PURYEAR	WA4CEX	147.765	147.165	✲	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	
SHELBYVILLE	W4QEB	147.66	147.06	✲	A
SHORT MTN	W4YXA	146.31	146.91	✲	
SMYRNA	WB4LHO	144.57	145.17	N	PA
SPARTA/BON AIR	W4BSA	147.69	147.09	N	A
SPRING HILL	NW4E	144.85	145.45	N	A
STANTONVILLE	KF4VM	144.79	145.39	N	
UNION CITY	WA4YGM	146.10	146.70	✲	A
UNION CITY	WA4YGM	147.615	147.015	✲	

MORE TENNESSEE REPEATERS

WATERTOWN	KE4WA	146.13	146.73	N	PA
WAVERLY	NO4Q	146.085	146.685	N	
WINCHESTER	N4NCM	146.22	146.82	✱	

220 MHZ

BROWNSVILLE	KB4YTU	222.60	224.20	N	C
BROWNSVILLE	KB4YTU	222.80	224.40	N	C
CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	WD4MQG	223.04	224.64	N	PA
CHATTANOOGA	K4VCM	223.18	224.78	✱	A
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLARKSVILLE	AA4TA	222.56	224.16	✱	
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	N	
GREENEVILLE	WB4NKM	223.34	224.94	✱	A
HERMITAGE	WB4RAB	222.30	223.90	N	
HICKORY VALLEY	KA5TAG	222.58	224.18	✱	L
JOHNSON CITY	WA4UCI	223.18	224.78	N	C
KNOXVILLE	WA4YON	222.86	224.46	N	
KNOXVILLE	W4BBB	222.90	224.50	✱	
KNOXVILLE	WA4TEM	223.26	224.86	✱	L
MEM/FISHERVILLE	N4DRL	222.90	224.50	✱	L
MEMPHIS	WA4KOG	223.18	224.78	N	C
MT. JULIET	KE4NP	222.66	224.26	N	
NASHVILLE	N4TB	222.42	224.02	N	
NASHVILLE	WB4UEX	222.48	224.08	N	
NASHVILLE	N4MEY	222.52	224.12	N	C
NASHVILLE	N4AWB	222.62	224.22	N	
NASHVILLE	KI4OG	222.84	224.44	✱	
NASHVILLE	N4MEY	223.06	224.66	N	

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
BENTON/BEAN MT	K4SIR	449.95	444.95	N	
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	ARB
BROWNSVILLE	KB4YTU	448.90	443.90	N	C
BROWNSVILLE	KB4YTU	449.45	444.45	N	C
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	WA4NFO	449.10	444.10	✱	A
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CUMBERLAND CITY	N4GMT	448.40	443.40	N	
ELIZ/HOLSTON MT	WB4BFS	449.75	444.75	N	
FAYETTEVILLE	KO4G	448.10	443.10	N	
FRANKLIN	KA4IDB	448.85	443.85	N	
GALLATIN	WD4KWP	449.45	444.45	N	
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GREENEVILLE	WB4NKM	449.65	444.65	✱	
HICKORY VALLEY	KA5TAG	448.20	443.20	✱	L
JACKSON	WA4BJY	447.20	442.20	N	
JACKSON	WB4EPG	447.80	442.80	N	A
JASPER	KD4XX	447.05	442.05	N	
JASPER	N4HQT	447.25	442.25	N	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	K4HXD	449.30	444.30	N	
KNOXVILLE	KB4KSL	449.50	444.50	N	
KNOXVILLE	KB4NK	449.60	444.60	N	
LAKE CITY	WD4LUR	448.00	443.00	N	C
LAKE CITY/CRS MT	WD4LUR	448.00	443.00	✱	PA
MEDINA	K4BEZ	447.05	442.05	N	AL
MEM/FISHERVILLE	N4DDS	449.30	444.30	✱	L
MEMPHIS	N4ERU	421.25	439.25	N	V
MEMPHIS	WA4QWW	447.80	442.80	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	WA4QWW	448.00	443.00	N	O
MEMPHIS	WA4DOR	448.40	443.40	N	A
MEMPHIS	WA4ADT	449.00	444.00	N	
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	N	
MEMPHIS	WA4ETE	449.25	444.25	N	
MEMPHIS	WA4KOG	449.40	444.40	N	
MEMPHIS	KA4IZF	449.50	444.50	N	A
MEMPHIS	KOJXI	449.60	444.60	N	
MEMPHIS	WB4MMI	449.70	444.70	N	T
MEMPHIS	KOJXI	449.80	444.80	N	
MEMPHIS	WB4MMI	449.90	444.90	N	L
MEMPHIS	WA4ETE	449.925	444.925	N	
MEMPHIS	WB4KQQ	449.95	444.95	✱	
MEMPHIS	K4HPP	449.975	444.975	N	
MILAN	WD4ABJ	447.10	442.10	N	
MORRISTOWN	KA4NEX	449.20	444.20	N	
MT JULIET	WA4PUB	448.05	443.05	N	
NASHVILLE	KI4OG	449.05	444.05	✱	T
NASHVILLE	KI4OG	449.575	444.575	✱	C
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	WB4QES	449.775	444.775	N	
NASHVILLE	WB4THG	449.875	444.875	N	
NASHVILLE	WB4QES	449.975	444.975	N	
OAK RIDGE	K4EAJ	449.40	444.40	✱	L
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
SMYRNA	KJ4RM	449.25	444.25	N	

920 MHZ

HICKORY VALLEY	KA5TAG	907.10	919.10	✱	L
MEM/FISHERVILLE	N4DRL	909.10	921.10	✱	L

1270 MHZ

HICKORY VALLEY	KA5TAG	271.20	291.20	✱	L
MEM/FISHERVILLE	N4DRL	271.10	291.10	✱	L

10 METERS

DONELSON	WA4BZU	29.54	29.64	N	
HICKORY VALLEY	KA5TAG	29.54	29.64	✱	L
JACKSON	NQ4W	29.54	29.64	N	P
JASPER	KD4XX	29.58	29.68	N	
KNXVL/ENG MT	WB4IOB	29.52	29.62	✱	P
MEM/FISHERVILLE	N4DRL	29.58	29.68	✱	L
MEMPHIS/FRAYSER	W4ZJM	29.52	29.62	N	

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	N	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	N	
HICKORY VALLEY	KA5TAG	52.67	53.67	✱	L
KNOXVILLE	WA4YON	52.25	53.25	N	
KNOXVILLE	WB4GBI	52.35	53.35	✱	
KNXVL/ENG MT	WB4IOB	52.15	53.15	✱	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	✱	L
MEMPHIS	WA4KOG	52.01	53.01	N	
MEMPHIS	K4RDK	52.55	53.55	N	

PACKET

BRISTOL	WX4S-1	145.01	N	K
CASTALIAN SPRNGS	WA4PTZ	145.01	✱	K
CHATTANOOGA	W4DSK-1	145.01	N	K
CROSSVILLE	N4LLD-1	145.01	N	K
GALLTN/MUSIC MT	W4PTZ-1	145.01	N	K
GREENEVILLE	K4VZZ-1	147.48	N	K
HORNBEAK	WA4VVX-6	145.01	N	K
JACKSON	WA4VVX-7	145.01	N	K
JACKSON	WB7BOX-1	145.01	N	K
JACKSON	WB7BOX-2	221.11	N	K
KINGSPORT	N4NBX	145.04	N	K
KNOXVILLE	KC4OI	145.01	N	K
KNOXVL/CROSS MT	WA4YON-1	145.01	N	K
LOBOVILLE	WA4VVX-2	145.01	N	K
MEMPHIS	WA4KQQ-1	145.01	N	K
MEMPHIS	AI5R	145.01	N	K
MEMPHIS	WA4KQQ	446.50	N	K
NASHVILLE	WA4KDC-2	145.01	N	K
NASHVILLE	W4HHY	145.01	N	K
NASHVILLE	WA4KDC	433.80	N	DL
PIKEVILLE	K4MJM-1	145.01	✱	K
RIPLEY	WA4VVX-3	145.01	N	K
RIPLEY	WA4VVX-5	443.80	N	DL
ROCKWOOD	AA4KS-1	147.48	N	K
ROCKWOOD MT	KB4NK-1	145.01	✱	K
SEWANEE	WD4CPF-1	145.01	N	K
SEWANEE	WD4CPF-2	433.80	N	DL
SHORT MT	W4YXA-1	145.01	✱	K
SHORT MTN	W4YXA	433.80	N	DL
WAVERLY	WA4VVX-4	433.80	N	DL
WINCHESTER	WD4CPF	145.01	N	K

SERA REPEATER SYMBOLS

✱	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K"

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SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	N4ADM	147.885	147.285	N	
ALCOLU	N4LWY	144.85	145.45	✲	P
ANDERSON	N4SZ	146.37	146.97	✲	PA
ANDERSON/SAS MT	W4FVV	146.19	146.79	✲	
BAMBERG	WA4DFP	144.73	145.33	N	
BARNWELL	WA4FOF	147.63	147.03	✲	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	✲	
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	K4ILT	146.19	146.79	N	
CHARLESTON	WB4LET	147.87	147.27	✲	PA
CHELSEA	KB4GY	146.01	146.61	N	
CHERAW	KA4ABW	147.735	147.135	N	PA
COLUMBIA	KC4LB	144.83	145.43	✲	PA
COLUMBIA	WB4NEP	146.115	146.715	N	PA
COLUMBIA	K4AVU	146.28	146.88	N	
COLUMBIA	N4NUY	147.93	147.33	N	
CONWAY	WD4JMT	144.51	145.11	✲	
DILLON/PEE DEE	NN4N	146.145	146.745	✲	
DORCHESTER	W4NAT	147.78	147.18	✲	
FLORENCE	W4ULH	146.25	146.85	N	A
FLORENCE	WA4ISM	146.37	146.97	✲	PA
FT JACKSON	WA4PTC	146.16	146.76	N	
FT MILL/CAROWND	AA4SC	147.78	147.18	✲	
GASTON	WB4NEP	144.61	145.21	N	PA
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	N	
GREENVILLE	K4LEO	147.975	147.375	✲	T
GREENWOOD	KB4YF	147.765	147.165	✲	A
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	✲	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	✲	PA
HILTON HEAD	N1BAL	147.84	147.24	N	
INMAN	WD8OXE	144.87	145.47	✲	PA
LAKE MARION	W4DTW	147.825	147.225	✲	A
LANCASTER	W4PAX	146.10	146.70	✲	
LANCASTER	WB4BGF	147.84	147.24	N	
LEXINGTON	KA4FEC	147.99	147.39	✲	
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	EA
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MT PLEASANT	K4ESG	146.385	146.985	N	PA
MT. PLEASANT	K4LWS	147.90	147.30	N	PAT
MYRTLE BEACH	WD4JMT	146.01	146.61	✲	EA
MYT BEA/BRKSVLLE	W4DCD	147.885	147.285	✲	A
N. AUGUSTA	K4FKJ	146.13	146.73	✲	
N. MYRTLE BEACH	K4HOG	147.63	147.03	✲	PA
NEWBERRY	KB4CO	146.085	146.685	N	
ORANGEBURG	K4RDN	147.69	147.09	N	C
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	✲	A
ROCK HILL	KA4RFA	144.71	145.31	N	LPA
ROCK HILL	N4CWZ	146.325	146.925	N	PA
ROCK HILL	K4YTZ	146.43	147.03	✲	PA
ROCKY SPUR	KS4I	147.885	147.285	N	
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	
SIMPSONVILLE	WD4BJY	146.13	146.73	N	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
ST. MATTHEWS	AD4U	146.22	146.82	N	P
SUMTER	WS4P	146.04	146.64	✲	
SUMTER	WA4UMU	147.615	147.015	✲	EA
SUMTER/SHAW	W4VFR	147.66	147.06	✲	A
WHITE HALL	W4BWZ	146.31	146.91	N	

220 MHZ

COLUMBIA	N4EOY	223.30	224.90	✲	RB
CROSS	KB4VFD	222.98	224.58	✲	C
GREER	W4ILY	222.38	223.98	N	PA
LITTLE MT	KA4FEC	222.52	224.12	✲	
PICKENS/CSRS HD	WB4QHF	222.54	224.14	N	PA
PICKENS/SASFR MT	AJ4N	222.46	224.06	N	
RIDGEVILLE	N4CII	222.48	224.08	✲	C

440 MHZ

ANDERSON/SAS MT	WD4BUH	449.925	444.925	N	
CAESARS HEAD	WB4LZQ	448.875	443.875	N	
CHARLESTON	N4MNH	449.30	444.30	✲	A
CROSS	KB4VFD	447.30	442.30	✲	C
LEXINGTON	N4GUP	439.25	421.25	N	V
MT PLEASANT	N4DRU	449.70	444.70	N	
PARIS MT	WB4HKZ	448.10	443.10	N	P
PICKENS/CSRS HD	WA6WAY	447.00	442.00	N	
ROCK HILL	KA4RFA	449.75	444.75	N	LPA
SUMMERVILLE	WA4HNK	448.80	443.80	✲	
SUMTER	WA4UMU	439.25	423.25	✲	V
SUMTER/SHAW	WB4USY	449.525	444.525	✲	P

PATRONIZE ADVERTISERS IN THE JOURNAL

6 METERS

COPE	N4HSN	52.05	53.05	N	
PICKENS	WB4YXY	52.41	53.41	N	

PACKET

ANDERSON	KA4YEA-1	145.07	✲	K
ANDERSON/SAS MT	W4FX-1	145.01	✲	K
CHARLESTON	N4LYF-1	145.01	N	K
CHARLESTON	WD4NUN-9	145.01	N	K
CHARLESTON	WN4Y-5	145.05	N	K
COLUMBIA	N4EOY-1	145.01	✲	K
COLUMBIA	N4HWU-1	145.03	✲	K
COLUMBIA	N4EOY-5	145.05	✲	K
CONWAY	WA4TKM-1	145.01	N	K
CROSS	KB4VFD-4	145.05	✲	K
FLORENCE	W4ULH-1	145.01	N	K
LANCASTER	K4WJR-1	145.01	N	K
SUMTER	WS4P-1	145.01	✲	K

EAST KENTUCKY REPEATERS

2 METERS

ASHLAND	KD4SN	146.34	146.94	✲	
ASHLAND	KA4DII	147.84	147.24	N	PA
ASHLAND	WA8KWH	147.93	147.33	✲	A
DEAN	AK4U	144.61	145.21	✲	L
DOG FORK MT	N4MWA	147.75	147.15	N	
ELKHORN CITY	WB4WAU	147.60	147.00	N	PA
FLAT GAP	KB4NDB	147.69	147.09	N	O
GRAYSON	KF4JO	146.10	146.70	N	
GUTHRIE	KA4NNE	146.205	146.805	N	
HARLAN	WM4R	144.75	145.35	N	
HAZARD	K4VHF	146.07	146.67	N	
JENKINS	WD4PDJ	147.99	147.39	N	
LEXINGTON	KC4TX	144.85	145.45	N	A
LOUISA	WA4SWF	146.13	146.73	N	EA
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MAYTOWN	AK4U	146.28	146.88	✲	L
MIDDLESBORO	W4PPM	144.63	145.23	N	
MOREHEAD	K4GFY	146.31	146.91	N	
MT. STERLING	WD4KNE	147.745	147.145	N	
MT. STERLING	WD4KNE	147.93	147.33	N	
PAINTSVILLE	AK4U	146.19	146.79	✲	L
PHELPS	KJ4YK	147.69	147.09	✲	
PIKEVILLE	N4IWZ	144.55	145.15	✲	PA
PIKEVILLE	N4IXA	146.25	146.85	N	EAL
PIKEVILLE	WB4GEL	147.87	147.27	✲	PA
PINEVILLE	WA4YZY	146.04	146.64	N	
PRESTONSBURG	K4ICN	144.69	145.29	✲	RB
SALYERSVILLE	AK4U	147.90	147.30	✲	L
WINCHESTER	WB4ASZ	147.72	147.12	✲	EA

220 MHZ

ASHLAND	KC4QK	222.34	223.94	N	
LOUISA	K4PGA	222.12	223.72	N	EA
PIKEVILLE	WB4F	222.98	224.58	N	
PIKEVILLE	N4ETG	223.02	224.62	N	A

440 MHZ

LYNCH/BLACK MT	N4IZD	448.10	443.10	N	

6 METERS

FLAT GAP	N4MPM	52.45	53.45	N	
GUTHRIE	KA4ZKL	52.23	53.23	N	

PACKET

ASHLAND	KD4SN-1	145.01	N	K
BEREA	KA4MZY-1	145.01	N	K
ELIZABETHTOWN	W4BEJ-1	145.01	N	K
ELKHORN CITY	WB4WAU-1	145.01	N	K
FRANKFORT	KB4AGA-1	145.01	N	K
FRANKFORT	KB4AGA	145.01	N	K
GREENSBURG	N4ICS	145.01	N	K
HAZARD	K4AVX-1	145.01	N	K
LEXINGTON	W4AUZ-1	145.01	N	K
LEXINGTON	WA4JAV-BB	145.01	N	K
LEXINGTON	KF4NB-BBS	145.01	N	K
LOUISA	WA4SWF-1	145.01	N	K
LOUISVILLE	W4MOP-1	145.01	N	K
PRESTONSBURG	WA4FHK-1	145.01	N	K
VERSAILLES	WB9TPG-1	145.01	N	K
WHITESBURG	KB4TTQ-1	145.01	N	K
WINCHESTER	WB4FDK	145.01	N	K
WINCHESTER	WB4FDK-1	145.01	N	K

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	K4VBH	147.87	147.27	N	
ASHBURN	W4PVW	147.885	147.285	*	EA
ATHENS	WA4BKF	146.145	146.745	*	A
ATHENS	K4TQU	147.975	147.375	N	
ATLANTA	W4AQL	144.55	145.15	*	PA
ATLANTA	K4DRQ	144.69	145.29	*	
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	W4DOC	146.22	146.82	N	PA
ATLANTA	N4OD	146.37	146.97	N	
ATLANTA	WA4NNO	146.40	147.00	N	PA
ATLANTA	K4YSB	147.705	147.105	*	R
ATLANTA	K4SMX	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	*	PAL
ATLANTA/AIRPORT	W4REI	147.63	147.03	N	
ATLANTA/BELL	W4PME	144.81	145.41	*	
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	*	EAL
ATLANTA/MARIETTA	N4NEQ	147.94	147.34	*	PANB
ATLANTA/STONE MT	W4BOC	146.16	146.76	*	
ATLANTA/SWEAT MT	K4LCI	144.83	145.43	N	EA
ATLANTA/SWEAT MT	N4CLA	144.87	145.47	*	EA
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	*	K
AUGUSTA	W4TUN	144.51	145.11	*	A
AUGUSTA	AA4UA	144.77	145.37	N	A
AUGUSTA	N4JA	144.89	145.49	*	
AUGUSTA	W4LWT	146.04	146.64	*	
AUGUSTA	KT4N	146.34	146.94	N	
AUGUSTA	NA4I	146.385	146.985	*	PA
AUGUSTA	NI4S	147.72	147.12	N	PA
AUGUSTA	N4BMA	147.78	147.18	N	RPA
AUGUSTA/GRNS CUT	WD4COL	144.63	145.23	N	A
BALDWIN	WD4NHW	147.78	147.18	*	A
BIRMINGHAM(AL)	N4IQT	144.59	145.19	N	
BON AIRE	W4MST	147.615	147.015	*	
BRUNSWICK	WB4PXX	144.81	145.41	N	P
BRUNSWICK	K4TVE	146.13	146.73	N	
CAIRO	AA4RD	147.795	147.195	N	
CALHOUN	KC4AQS	147.405	146.805	*	LA
CARROLLTON	W4FWD	146.04	146.64	N	A
CARTERSVILLE	N4GIS	144.59	145.19	N	
CEDARTOWN	W4CMA	147.72	147.12	*	PA
CLAYTON	WA4BLQ	144.65	145.25	*	
CLEVELAND/LONG	K4FOW	146.31	146.91	N	
CLEVELAND/LONG	K4FOW	147.615	147.015	N	
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	WB4MLE	146.01	146.61	N	
COLUMBUS	N4AGO	146.28	146.88	N	
COLUMBUS-RTTY	K4ACH	144.77	145.37	N	R
CONYERS	WB4JEH	144.63	145.23	N	
CONYERS	KE4SG	147.81	147.21	N	PA
COOLIDGE	N4JBF	144.57	145.17	*	P
CORDELE	WA4RWS	144.89	145.49	*	
COVINGTON	WA4ASI	146.325	146.925	N	
CUMMING/SAWNEE	K4BYK	147.75	147.15	*	PAL
DALLAS	K4DVJ	146.25	146.85	N	
DALONEGA	KJ4EV	146.835	147.435	N	
DALTON	KE4UJ	144.63	145.23	N	
DALTON	N4BZJ	144.65	145.25	*	AO
DALTON	N4BZJ	147.735	147.135	*	AL
DALTON	KE4LN	147.81	147.21	*	
DECATUR	W4VTA	144.51	145.11	*	EA
DOUGLAS	KB4TCU	147.765	147.165	N	
DOUGLASVILLE	KB4EO	147.96	147.36	N	A
DUBLIN	WA4HZX	147.96	147.36	N	
ELLIJAY/TALONA M	W4HHH	146.385	146.985	*	A
FARMINGTON	N4NFA	147.645	147.045	*	A
FAYETTEVILLE	K4UWN	146.085	146.685	N	
FOLKSTON	K4DMK	146.19	146.79	N	
FOREST PARK	K4KOK	144.65	145.25	N	
FORSYTH	W4SPJ	147.315	147.915	N	
FORT PAYNE(AL)	WA4PJE	147.87	147.27	N	A
GAINESVILLE	W4NSO	146.07	146.67	*	A
GRIFFIN	K4HYB	144.79	145.39	*	PA
GRIFFIN	K4HYB	146.31	146.91	*	
HARTWELL	KY4T	146.895	146.295	N	EA
HINESVILLE	KF4UM	147.615	147.015	*	
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	*	PA
JASPER	W4OOM	146.10	146.70	*	
JASPER(AL)	WB4ACN	146.30	146.90	N	
JEFFERSON	KB4ZUN	147.825	147.225	N	
JESUP	WA4EQL	146.07	146.67	*	
JONESBORO	WA4DIW	144.57	145.17	*	EA
JONESBORO	WA4OGE	144.73	145.33	N	
LAFAYETTE	KB4VEK	147.975	147.375	N	
LAGRANGE	KO4R	146.25	146.85	N	O
LAGRANGE	WB4BXO	147.93	147.33	N	EA
LANETT(AL)	K4DXZ	147.60	147.00	*	
LEEDS(AL)	N4IQT	146.08	146.68	N	
LINEVILLE(AL)	WB4VBA	144.83	145.43	*	
LYONS	K4HAO	146.22	146.82	N	
MACON	WB4OLL	144.83	145.43	N	
MACON	W4BKM	146.06	146.66	*	NBPA
MACON	WA4DDI	147.66	147.06	*	T
MADISON	WB4DKY	146.265	146.865	N	
MARIETTA	WA4QPL	144.89	145.49	N	PA
MARIETTA	KC4KE	146.175	146.775	*	
MARIETTA	W4BTI	146.28	146.88	N	
METTER	W4TYM	147.645	147.045	N	
MILLEDGEVILLE	KF4LI	144.55	145.15	*	A
MILLEDGEVILLE	WB4DOJ	146.10	146.70	N	
MILLEDGEVILLE	KF4LT	146.205	146.805	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	*	PA
NEWNAN	K4SEX	146.19	146.79	*	
PERRY	KB4KIN	146.355	146.955	N	A
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	W4TOV	146.385	146.985	N	
QUITMAN	WA4NKL	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	K4HNM	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	*	PA
ROSSVILLE	W4FGQ	144.75	145.35	*	
ROSWELL	N4CLA	147.66	147.06	*	EA
SAVANNAH	K4NLX	146.10	146.70	*	PA
SAVANNAH	W4HBB	146.28	146.88	N	
SAVANNAH	W4HBB	146.37	146.97	N	A
SAVANNAH	K4NLX	147.81	147.21	*	PA
SNELLVILLE	WD4JXR	147.675	147.075	*	PA
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	144.85	145.45	*	
SUMMERVILLE	KA4LVY	147.825	147.225	N	
SWAINSBORO	K4VYX	146.19	146.79	N	O
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	N	A
THOMPSON	WB4OCB	146.235	146.835	N	C
TOCCOA	KA4DIP	147.93	147.33	*	
TYRONE	W4PSZ	144.61	145.21	N	PA
UNION CITY	WA4UPE	146.025	146.625	N	
VALDOSTA	W4APS	146.16	146.76	N	
VALDOSTA	K4JFE	147.735	147.135	N	
VALDOSTA/TIFTON	WA4VLP	144.53	145.13	N	
VIDALIA	N4JWP	146.025	146.625	*	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	*	L
WARNER ROBINS	WB4BDP	146.01	146.61	N	
WARNER ROBINS	W4HON	146.25	146.85	N	A
WARNER ROBINS	WL7ACY	147.90	147.30	N	A
WAYCROSS	WA4GVG	146.04	146.64	N	
WAYNESBORO	WD4COL	144.63	145.23	N	
WRENS	WB4OCB	146.175	146.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	

220 MHZ

ATL/CHESTNUT MT	W4DOC	222.96	224.56	N	L
ATLANTA	N4BLR	222.68	224.28	N	
ATLANTA	W4DOC	222.74	224.34	N	
ATLANTA	N4IQR	223.10	224.70	*	
ATLANTA	KK4C	223.22	224.82	N	PAL
ATLANTA/BELL	W4ZTL	223.02	224.62	N	
ATLANTA/MARIETTA	N4NFP	222.52	224.12	*	PAL
AUGUSTA	AA4UA	222.60	224.20	N	P
BUCHANAN/HARALSO	WB4UPC	222.46	224.06	N	L
CANTON	N4KSM	222.92	224.52	N	
CANTON	WB4UPC	223.34	224.94	*	L
CARTERSVILLE	N4GIS	222.48	224.08	N	
CLEVELAND	N4RBT	222.78	224.38	N	
CONYERS	WB4JEH	222.42	224.02	N	
CORNELIA	WS4F	222.50	224.10	N	
CUMMING/SAWNEE	K4JSR	223.38	224.98	*	PAL
DALTON	N4BZJ	222.44	224.04	*	
DALTON	N4KVC	223.14	224.74	*	ARB
GAINESVILLE	W4NSO	222.30	223.90	*	
JASPER	KB4IZP	222.40	224.00	N	
MACON	W4BKM	223.06	224.66	*	
MARIETTA	WA4QPL	223.30	224.90	N	
PERRY	WL7ACY	223.24	224.84	N	
ROSSVILLE	KC4EV	223.34	224.94	N	
STONE MT	W4BOC	223.16	224.76	*	PA
THOMASVILLE	N4JBF	222.72	224.32	*	A
VALDOSTA	W4APS	222.38	223.98	N	
YORKVILLE	WB4UPC	222.34	223.94	N	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	

MORE GEORGIA REPEATERS

ALBANY	W4MM	449.50	444.50	N	
ATLANTA	W4KIP	439.25	421.25	N	V
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WB8LVH	448.50	443.50	✱	
ATLANTA	KE4ZV	448.65	443.65	N	
ATLANTA	W4DOC	449.45	145.67	N	RB
ATLANTA	WB4UWL	449.50	444.50	N	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	N	T
ATLANTA/BELL	W4ZTL	449.15	444.15	✱	A
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	N	PAL
ATLANTA/MARIETTA	N4NFP	449.85	444.85	✱	PA
ATLANTA/SE	WB8LVH	448.55	443.55	✱	NB
ATLANTA/STONE MT	W4BOC	449.25	444.25	✱	
AUGUSTA	N4JA	447.025	442.025	✱	
AUGUSTA	NI4S	448.15	443.15	N	O
AUGUSTA	NA4I	449.95	444.95	✱	O
BRUNSWICK	KB4PXX	439.25	421.25	N	V
BRUNSWICK	K4TVE	449.975	444.975	N	
CHATSWORTH	AA4EO	448.00	443.00	N	
COLUMBUS	WA4QHN	449.20	444.20	N	
CONYERS	WB4JEH	447.55	442.55	N	
CONYERS	N4EMM	449.75	444.75	N	C
COVINGTON	KL7TF	448.75	443.75	✱	
DALTON	WA4TIW	449.725	444.725	N	
DECATUR	N3APR	449.10	444.10	N	
DECATUR	WB4LBM	449.20	444.20	N	
ELLIJAY TALONA M	W4HHH	449.70	444.70	✱	
GRIFFIN	WB4GWA	448.90	443.90	N	PA
HIGH PT/LOOKT MT	KB4VEK	448.45	443.45	N	
JASPER/BIG BUCK	N4OKS	448.80	443.80	N	
LANETT(AL)	K4DXZ	447.05	442.05	✱	
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
LINEVILLE (AL)	WB4VBA	449.000	444.000	✱	
MACON	WB4OLL	444.90	449.90	N	NB
MARIETTA	N4ACJ	448.60	443.60	N	
MARIETTA	K4PQD	449.05	444.05	N	
MARIETTA	N4ACJ	449.325	444.325	N	
MT OGELTHORPE	WB4BFD	449.375	444.375	N	
NEWNAN	N4EBZ	449.675	444.675	✱	PA
PERRY	KB4KIN	449.95	444.95	N	
RINGGOLD	KJ4IU	448.925	443.925	N	
ROCKY FACE	AA4EO	447.175	442.175	N	
SAVANNAH	KC4AZU	447.70	442.70	N	C
SMYRNA	N4IBW	449.65	444.65	N	
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT	N4CLA	448.20	443.20	✱	
TIFTON	KF4JF	449.35	444.35	N	
TYRONE	K4NEF	449.55	444.55	N	
VALDOSTA	W4APS	449.70	444.70	N	
WALESKA/PNLOG MT	WD4GTJ	448.85	443.85	✱	L

1270 MHZ

ATL/CHESTNUT MT	W4DOC	291.40	271.40	N	

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	KK4CC	29.54	29.64	✱	L
ATLANTA	WB8LVH	29.52	29.62	✱	L
CONYERS	AI8K	29.58	29.68	N	P
DALTON	N4BZJ	29.58	29.68	✱	AL

6 METERS

ATL/MARIETTA	WA4MPW	52.09	53.09	✱	
AUGUSTA	K4EDU	52.03	53.03	N	P
CONYERS	WB4JEH	52.55	53.55	N	
LINEVILLE(AL)	WB4VBA	52.07	53.07	✱	
WALESKA/PNLOG MT	WB4UPC	52.05	53.05	✱	L

PACKET

ADEL	KF4JF-1	145.01	N	K
ALBANY	W4MM-1	145.09	N	K
AMICACOLA MT	WB4GQX-4	145.09	N	K
ATLANTA/EAST	KF4JJ-1	145.03	N	K
ATLANTA/EAST	KE4ZV-1	145.03	N	K
AUGUSTA	WD4CNV-1	145.01	N	K
CLARKSVILLE	W4EAW-1	145.01	N	K
COHUTTA	W4KAU	145.01	N	K
COHUTTA	W4KAU	145.09	N	K
COLUMBUS	K4ABT-1	145.01	N	K
CUMMING/SAWNEE	WB4GQX-1	145.01	N	K
FAIRMONT	AA4EO-1	145.09	N	K
FORSYTH	WB4GQX-2	145.01	N	K
HAMPTON	WA4TXT-1	145.01	N	K
LAGRANGE	WB4BXO-1	145.03	N	K
LYONS	N4JWP-1	145.01	N	K
PERRY	KB4KIN-1	145.01	N	K
PERRY	KB4KIN-5	145.05	N	K
PINE MT/HAMILTON	WB4ULJ-1	145.01	N	K
ROME	NC4G-1	145.09	N	K
SAVANNAH	K4NLX-2	145.01	✱	K
SAVANNAH	K4NLX-1	145.03	✱	K
SAWNEE MT/CUMMIN	WB4GQX-1	223.70	N	K
SYCAMORE	WD4LYV	145.01	N	K
SYCAMORE	WD4LYV	145.05	N	K
WARNER ROBINS	K4AGT-1	145.01	N	K
WARNER ROBINS	WL7ACY-2	145.05	N	K
WARNER ROBINS	WL7ACY-1	145.05	N	K

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WA8AVZ	146.13	146.73	N	
BECKLEY/EOC	N8FWL	144.77	145.37	N	LA
BECKLEY/FLAT TOP	K8BO	146.25	146.85	N	A
BLUEFIELD	W8MOP	144.89	145.49	✱	PA
BOLT/BOLT MT	N8DKL	144.57	145.17	✱	L
BRIDGEPORT	WB8DKM	147.72	147.12	✱	
BUCKHANNON	N8FHE	144.53	145.13	✱	AL
BUCKHANNON	N8FHE	144.81	145.41	✱	
BUCKHANNON	WD8L	146.25	146.85	✱	
CHARLESTON	N8FMD	144.69	145.29	✱	L
CHARLESTON	W8WHQ	144.83	145.43	N	
CHARLESTON	WB8IFS	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CHARLESTON	KD8TC	147.81	147.21	N	C
CLARKSBURG	N8FMD	146.085	146.685	✱	
CLARKSBURG	KE8MR	147.915	147.315	N	
CRAIGSVILLE	KD8OG	144.67	145.27	N	L
DUNBAR	K8VKI	147.72	147.12	✱	
ELK GARDEN	N8FMD	146.145	146.745	✱	
FAIRMONT	W8SP	146.30	146.90	N	NB
FLAT TOP/WINTERP	N8BZS	146.025	146.625	✱	
FRANKLIN	W3RUA	147.945	147.345	✱	
GASSAWAY	WB8MZI	146.01	146.61	N	
GRAFTON	WD8LNB	147.975	147.375	N	
HARRISVILLE	WB8NSL	147.90	147.30	N	
HUNTINGTON	WB8FEQ	144.61	145.21	N	R
HUNTINGTON	W8VA	146.16	146.76	✱	A
HUNTINGTON	KA8BKX	147.90	147.30	N	PA
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	✱	
KINGSTON/LICK KB	W8FG	144.87	145.47	✱	L
LAYLAND/MANN MT	N8BZS	144.71	145.31	✱	L
LEON	WB8NMT	147.78	147.18	N	
LIBERTY	K8SLI	144.81	145.41	N	
LOGAN/BLAIR MT	NU8K	144.63	145.23	N	
LOGAN/WARD RK MT	KJ8E	146.37	146.97	N	A
MADISON	KA8JYR	146.06	147.06	N	NB
MARMET/BEE MT	N8DBN	144.55	145.15	N	
MARTINSBURG	WA8FSE	144.55	145.15	M	
MARTINSBURG	WB8VAZ	147.855	147.255	M	
MCMECHEN	WA8ULB	146.31	146.91	✱	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	N	LPA
MT STORM	K8VNQ	147.705	147.105	N	L
MULLENS/HRNDN MT	KC8IT	147.63	147.03	✱	LARB
NEW MARTINSVILLE	WB8CSW	146.34	146.94	N	
NEW MARTINSVLLE	WB8CSW	147.54	146.94	N	NB
OAK HILL	K8CFT	146.19	146.79	✱	EA
PARKERSBURG	WA8CRW	146.37	146.97	✱	
PARSONS	K8VNQ	144.73	145.33	N	EAL
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KC8WL	146.46	147.06	✱	A
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	
RAVENSWOOD	WD8JNU	146.10	146.70	N	R
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT/COAL	K8SLI	147.87	147.27	N	A
SHERRARD	KD8GL	146.115	146.715	✱	EAL

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

SPENCER	N8APG	147.705	147.105	N	P
SPRUCE KNOB	N8HON	147.885	147.285	✲	L
ST ALBANS	WB8GDY	146.40	147.00	✲	
ST ALBANS	KA8SVR	147.75	147.15	N	
ST ALBANS	K8WMX	147.975	147.375	✲	R
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	✲	
TERRA ALTA	KD8ZR	147.60	147.00	✲	PA
UNION	WA8LLM	147.99	147.39	✲	
WEIRTON	KC8JN	146.34	146.94	N	A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	PAL
WHEELING	WB8JGY	144.59	145.19	N	
WHEELING	W8JDH	146.16	146.76	N	
WILLIAMSON	KE8FR	144.73	145.33	✲	A

220 MHZ

FLT TP/WNTRPLACE	N8BZS	222.46	224.06	✲	
GRAFTON	WD8LNB	222.88	224.48	N	L
KINGSTON/LICK KB	W8FG	223.14	224.74	✲	
WILLIAMSON	KA8YYW	222.54	224.14	✲	

440 MHZ

BUCKHANNON	N8FHE	448.10	443.10	✲	L
GRAFTON	WD8LNB	447.20	442.20	N	
JANE LEW	N8FMD	449.875	444.875	✲	
KINSTON/LICK KB	N8FRV	449.80	444.80	✲	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	N	PAL
MOUNDSVILLE	KY8O	439.25	421.25	N	V
MULLENS/HRNDN MT	KC8IT	449.00	444.00	✲	RBL
S. CHARLESTON	WB8CQV	449.95	444.95	N	
WHEELING	KR8O	449.975	444.975	N	

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	✲	
DANVILLE/MADSN	K8JYR	52.06	53.66	N	NB
HERNSHAW/BEE MT	KA8SVR	52.09	53.69	N	NB
RAND	N8CDE	52.12	53.72	N	NB
ST ALBANS/COAL	WD8JKA	52.03	53.63	N	NB

PACKET

HUNTINGTON	KA8EUU-1	145.01	N	K
LOGAN/BLAIR MT	WB8FQJ-1	145.01	N	K
MORGANTOWN	N8BHI-1	145.01	N	K
ST ALBANS	K8SLI-1	145.01	N	K
TERRA ALTA	KD8ZR-1	145.01	✲	K
WILLIAMSON	KA8YYW-1	145.01	✲	K

Note To Repeater Owners

SERA would like to have you as a Full Member of our organization. You still have time to join for the remainder of 1988 and be listed in the Directory in the November issue. While joining for the remainder of 1988, why not go ahead and join for 1989.

Membership dues for the remainder of 1988 are only $4.00 and $15.00 for the calendar year 1989. This will enable you to name two persons as Full Member representatives of SERA, each will receive the Repeater Journal.

Repeater owners who are already Full Members for 1988 are reminded that your membership expires on December 31. A Full Membership renewal form was published in the Past May issue of the Journal, and another will be published in the November issue.

If you are not a repeater owner, and don't have an application, write SERA Membership, P.O. Box 24292, Winston-Salem, N.C. 27114 and one will be rushed back to you.

Remember, your support of SERA, helps keep Coordination going.

CITY OF COLUMBIA
SOUTH CAROLINA

T. PATTON ADAMS
MAYOR

PROCLAMATION

WHEREAS, the City of Columbia has many licensed Amateur Radio operators who have demonstrated their value in public assistance by providing emergency radio communications; and

WHEREAS, these Amateur Radio operators donate these services free of charge to the City, in the interest of the citizens of the City as well as the world; and

WHEREAS, these Amateur Radio operators are on alert for any emergency, local or world-wide, and practice their communication skills during the American Radio Relay League, Inc., Field Day exercise; and

WHEREAS, this year's Amateur Radio Field Day will take place on June 25-26, 1988;

NOW, THEREFORE, I, T. Patton Adams, Mayor of the City of Columbia, South Carolina, do hereby declare the week of June 19-26, 1988, as

AMATEUR RADIO WEEK

in recognition of this important emergency preparedness exercise, and call upon all citizens to pay appropriate tribute to the Amateur Radio operators of our City.

T. Patton Adams

PROCLAMATION BY GOVERNOR CARROLL A. CAMPBELL, JR.
ON
AMATEUR RADIO WEEK

WHEREAS, the State of South Carolina has hundreds of licensed radio operators who have demonstrated their value in public assistance by providing emergency radio communications; and

WHEREAS, these amateur radio operators donate these services free of charge to the State in the interest of the citizens of the State as well as the world; and

WHEREAS, these amateur radio operators are on the alert for any emergency, local or world-wide, and practice their communication skills during the American Radio Relay League, Inc., and Field Day exercise; and

WHEREAS, this year's Amateur Radio Field Day will take place on June 25–26, 1988.

NOW, THEREFORE, I, Carroll A. Campbell, Jr., Governor of the State of South Carolina, do hereby proclaim the week of June 19–25, 1988, as:

AMATEUR RADIO WEEK

in the state of South Carolina in recognition of this important emergency preparedness exercise, and call upon all citizens to pay appropriate tribute to the Amateur Radio operators of our State.

Carroll A. Campbell, Jr.
Governor

State of South Carolina
Office of the Governor

PROCLAMATIONS made in South Carolina, Honoring Amateur Radio, during the month of June. This is the month heavy activity in Contests occur, and clubs seek publicity from State and local areas.

220 MHz Activity In Eastern North Carolina

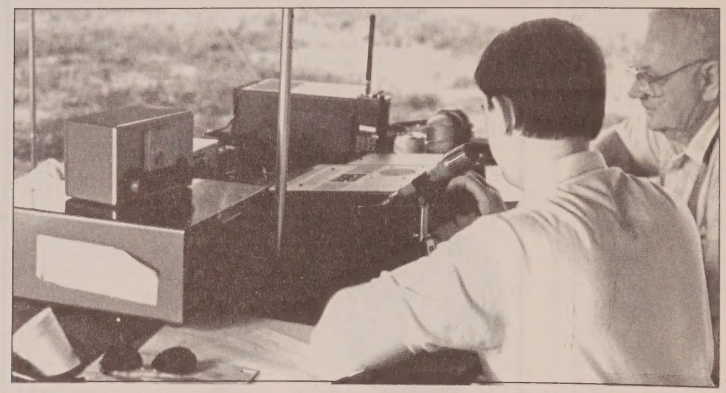
— by Lonnie Pridgen, WB4BZZ

The WA4DAN/R and NF4C/R users have had several joint meetings, the first being in Tarboro in March of this year. Both repeaters are very active and have good coverage with WA4DAN/R in Grifton at a height of 1700 feet and the NF4C/R in Rocky Mount at 450 feet.

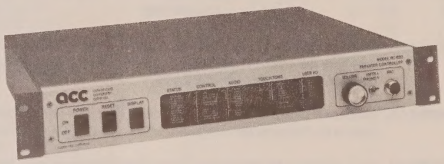
The NF4C/R went into regular service in December 1985 and was moved to it's new home at the 450 foot level of WKTC tower on August 29, 1987. In January of this year a ACC RC-85 controller was added. This controller adds voice ID, S meter read back, bulletins, tail messages and auto-patch. The rest of the repeater consist of a MR4 Micro Control Specialties receiver, Hamtronics exciter (2 watts), Vocom 80 watt final amplifier, Wacom 4 cavity duplexer, 1/2 inch Celwave hardline to the Decibel Products 4 pole dipole array. The repeater is also battery backed up in case of power failure.

The many users in the area have made it possible to put together this machine. Many thanks for the donations in time and money.

Winston-Salem, N.C. Group Operates Field Day



Members of the Forsyth ARC of Winston-Salem had tents covering from the hot sun during Field Day. The group operated most all bands in their annual club outing. Photo Ctsy: David Ward, KA4LVO.



"The RC-850 Repeater Controller ... still the leader of the pack!"

The RC-850 controller offers your group the most advanced repeater control technology available anywhere. Through ongoing hardware and software enhancements, even our first customers enjoy new features that keep it ahead of the pack. With the '850, your repeater becomes fully remotely programmable. From command codes to the repeater's operating schedule, virtually everything can be easily changed. Touch-Tone programming from your radio or the phone with synthesized voice readback, or programming from your home computer via modem or packet.

The autopatch supports local and radio-linked remote phone lines, extending your patch coverage to match your RF coverage. You don't even need a phone line at your site! The 250 autodial slots meet everyone's needs, with up to 35 digit storage for personal MCI/Sprint codes.

The easy-to-use mailbox lets you include phone numbers, times, or frequencies in messages. The controller is so smart, it'll leave you a message if you miss a reverse patch or an alarm.

Selective call capabilities range from CTCSS and two-tone to display paging, so you can always be available without having to listen. Voice response telemetry lets you remotely meter your site. Its continuous measurements with storage of updated min and max readings let you find out how cold it gets, how high the reflected power reads . . . and when.

Individual user access codes, with callsign ID, offer secure access to selected functions to completely prevent horseplay.

The industry's top-of-the-line controller, now better than ever, for *your* repeater.

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Sera Full Membership

SERA Full Membership continues its climb in numbers slowly as the year goes into its third quarter. Full Membership as of mid July was about 33 repeaters shy of the ending 1987 total membership. We will probably exceed last years totals, but so many repeater owners wait until the last part of the year to renew, then forget their membership expires on December 31, and they have to start all over again.

North Carolina continues a hefty lead over all states in total numbers of repeaters as full members, and also in percentage of membership. As of mid July, North Carolina had 144 Full Member repeaters, or 66.7% of the total repeaters in the State.

Second in percentage is South Carolina with 53.0%, but Virginia has second place in total numbers with 98 Full member repeaters for 51.9%. South Carolina, a smaller state as far as repeaters are concerned has 44 full member repeaters.

These are the only three states with at least 50% Full Membership. They are followed by West Virginia with 40.7%, Georgia with 39.3%, Tennessee with 32.8% nd finally East Kentucky, which seems to be losing interest at 28.2% (only 11 of 39 repeaters in that area are Full Members).

Repeater owners who decide to join SERA Full Membership now will have only ONE Repeater Journal left, the November issue to show them as Full Members for 1988.

They might want to go ahead and send in the money for 1989 and get it over with. If they join the 3rd quarter, the remainder of 1988 fees will be only $4.00, add $15.00 for 1989 and send a check totaling $19.00 to bring membership through December 31, 1989.

A reminder, ONE membership can list as many repeaters as a person is affiliated with, but only TWO Full Member representatives may be named for each membership. For instance, a club owning 6 repeaters on 2-M, 220 and 440, can list them all on ONE membership, then name TWO representatives, along with the $19.00 for the remainder of 1988 and all of 1989.

The chart below, which may be updated later than this story (we hold until the last minute.) shows the current membership breakdown of the various states. The SERA Repeater Index indicates which repeaters are Full Members with a star, (*) and those who are not Full members, listed with an "N".

SERA FULL MEMBERSHIP DATA FROM 1983 TO DATE. CORRECT AS OF 7-23-88 THRU '88 APPL. # 318

	REPEATER								
STATE	FINAL 1983	FINAL 1984	FINAL 1985	FINAL 1986	FINAL 1987	CURR 1988	1988 MBR %	STATE RPTR	#1988 APPLIC
N.C.	100	83	149	147	123	144	66.7%	216	95
S.C.	24	35	56	43	44	44	53.0%	83	31
VA.*	58	60	92	88	98	98	51.9%	189	55
W.VA.	28	21	41	40	51	37	40.7%	91	22
TENN.	47	58	85	63	80	77	32%	232	49
GA.**	9	18	109	125	110	90	39.3%	229	54
E.KY***	1	4	18	21	19	11	28.2%	39	10
ALA.****	1	1	4	67	7	5	--	--	2
FLA.****	--	--	--	4	--	0	--	--	0
TOTALS	268	280	554	598	532	499	45.8%	1079	318

* TTL.VA.RPTRS.ALSO INCLUDE N.VA. & WV PANHANDLE - TMARC TERRITORY.
**GA.ASSUMED DISTRICT STATUS IN 3rd QTR.OF 1985.
***K.KY.ASSUMED DISTRICT STATUS IN MID 1985.
****ALA.& FLA. NOT SERA DISTRICTS.
1988 % OF SERA FULL MBR DOES NOT INCL. ALA & FLA--ONLY OUR 7 DISTRICTS.

"The Digital Voice Recorder echos your thoughts"

ACC's Digital Voice Recorder allows you to remotely record your voice over the air using digital storage in its huge memory array. PCM recording results in the highest possible fidelity, so you're proud of how it sounds on your repeater.

The DVR's voice mailbox gives your repeater users computer bulletin-board like capability from any radio with a mic and Touch-Tone pad. With messages stored in voice, your users don't need special gear to enjoy the latest in communications technology (from anywhere).

Your repeater's IDs and other messages can consist of remotely recorded DVR audio tracks which can provide information to your users — about your system, club, meetings, and special events. And you can make your repeater the friendliest around. With its no-compromise high quality PCM digital audio processing, even famous celebrities can sound like they're live at your repeater site!

The DVR connects easily to your RC-850 or RC-85 controller. And one DVR can support up to *three* repeaters for a cost effective installation.

The Digital Voice Recorder is the neatest thing to happen to repeaters since ACC's repeater controllers. Request our audio demonstration tape so you can hear it for yourself.

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Technical

Continued From Page 13

spurious oscillation of the LPA 2-15 fifteen watt amplifier. Since the oscillation frequency changes with temperature, then the nature of the problem changes as the temperature changes. The repeater may operate perfectly for periods, then malfunction when the oscillation reappears. This self-oscillation alone will cause any of the four problems mentioned in the paragraph above. White noise generation in the LPA 2-15R and the RPA-45 amplifiers masks incoming received signals causing desense to the receiver, and at times may cause the squelch to hang up in the unsquelched state, sometimes long enough to time out the repeater.

To solve the self oscillation problem of the LPA 2-15R amplifier, refer to fig. 3 and unsolder the grounded end of L3 taking it loose from ground. Solder a 10 ohm 1/4 watt resistor to the free end of L3 and solder the other end of the resistor to ground, thus putting this resistor in series with L3.

Amplifier white noise is due mostly to amplification of low frequency thermal noise and to low frequency oscillations. The cure is to reduce the gain of the amplifier stage at low frequencies while keeping the gain of the stage high at the desired frequency. On the LPA 2-15R this can be accomplished by the following modifications: add a .001 mfd. ceramic capacitor in parallel with C5, a .01 and a .047 mfd ceramic capacitor in parallel with C3, and add a 10 ohm 1/4 watt carbon resistor in parallel with Z3. (See HAM RADIO, "Ham Radio Techniques: White Noise Revisited" by Bill Orr, October, 1987, pp 79-80).

To increase the stability of the RPA-45 change L2 from 5 turns to 3 turns spaced to fill the distance from C9 to the collector of Q1. THis modification and the additional capacitor described below eliminate the tendency of the amplifier to oscillate in the HF region of the spectrum. The white noise can be reduced on the RPA-45 amplifier by the following: add a 1000 pf uncased mica capacitor in parallel with C9, and a 10 ohm 1 watt carbon resistor in parallel with Z2. See fig. 4. Uncased mica capacitors can be purchased from MHZ electronics in Phoenixs, Arizona. WD4COL used a ceramic .001 capacitor instead of the uncased mica and it worked fine.

Continued on Page 33

we were backed into a corner and had to do what we had ultimately threatened to do.

SERA copyrighted its repeater index. Numerous other councils across the nation have followed suite. It is also becoming obvious, that with copyrighted lists, councils such as SERA are going to be very hesitant to provide data for a national repeater data base.

We have our lists so that if something changes in the future, and we wish to continue assisting ARRL with their Repeater Index, we can. . . by providing written permission.

It should be brought out, that anyone can compile repeater lists on their own. . . anywhere, but they cannot copy a list that has been copyrighted, and generally coded in such a way that copies would be immediately recognizable, such as the SERA list.

So where are we now? The FCC has turned their back on us by telling us to "solve our own problems" and "cooperate with whomever wants to come in and take over."

The ARRL had to make a decision to print ALL coordinators names, even though many established coordinators felt the decision was wrong -- but basically the decision was forced due to the FCCs refusal to assist Amateur Radio.

You and I know that with out any regulations, or rules to follow, covering every instance of misuse of bands, misuse of authority, or general ungentlemanly conduct, the Amateur Radio hobby is going down the tube. We must have rules to follow. We must have FCC backing of our own "self-policing" or chaos is going to be the rule. General, bland rules which cover Amateur operation will not work in coordination. There is no forum for conflict. No solution is possible with no rule to follow. Each group must make a stand on what they feel is right -- then a fight follows, and now in some instances, lawsuits follow that.

Maybe Ray Kowalski was right when at Dayton, he said that every Coordination Council should shut down, and cease operation, until the FCC writes some rules that will give them a basis and guidance. . . official recognition and a reason for existance.

The only problem with that is, someone might come along and sue us for not doing our job!

Volunteer coordination is becoming a scary thing. You will be damned if you do. . . and damned if you don't.

If you make a stand, someone else is going to cut you to ribbons. If you don't make a stand, you'll get run over by a steamroller.

Unless the FCC wants Amateur Radio to go down the tubes, and become a wasteland of chaos, they better get going and give us some coordination rules and guidance and recognition that everyone abides by. We cannot do it with de-regulation. . . it is not working in Amateur Radio.

Perhaps if we continue to fight each other, we will destroy each other, and the commercial interests will have free reign of our valuable spectrum.

And you wonder why we keep asking for support.

— Wayne C. Williams, K4MOB
Editor & Publisher

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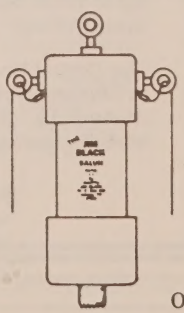

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West Tennessee Travel Report

— by Jim Larson, WB4KQQ
Vice-Director, Tn.

It is one thing to travel and be all business, but it is something special when you travel and meet fellow HAMS along the way. I started on a trip to Dayton Hamfest, but got sidewinded by the GREATEST COUNTRY WESTERN MUSIC you can hear in Nashville, so guys you see how one can be persuaded by something that is equal in heart. After a full tank of good music and seeing Roy Acuff, T.G. Sheppard and the lot, I headed towards Gatlinburg. Along the way I talked to Bill Gilley, W4YXA. Claude Bass, W4EX. Upon settling down in Pigeon Forge, I scanned across the frequencies and found activity on 147.30 plus 600 and 146.73 minus 600. Have to say the 146.73 repeater was very outstanding and talked to many good hams even one that use to live close to me in Memphis. Like everything else, all good things come to an end, so I packed up and again went back to Nashville for some more home-sick country music. Coming into Nashville I talked to Dave Wolfe, WA4VVX. The next day I again left Nashville and headed towards the Cumberland Mountain Plateau Campgrounds where a friend of mine, Buddy Frase, W4GYS, retired Engineerin-Charge at WMC-TV, WMC-AM and WMC-FM was residing. He put me up on a pad next to his and for the next two (2) weeks I had the best vacation one could ever want. There was not a single day that went by, I could say I was home-sick. After such a short visit with Buddy and his wife Betty, I aimed my motorhome towards Knoxville for the Hamfest. Upon arriving at the Hamfest site I was greeted by Ray Adams, N4BAQ, who directed me to park on top of that great big HILL, you guys know the one I am talking about, because being a FLAT-LANDER it scared the ????? out of me turning and going up that thing. Ray knew that something was wrong, so he took me out to eat, and the fine food cured all my nerves. Yes, Ray paid for it, BELIEVE IT OR NOT. After sleeping peaceful on top of the Cumberland Mountain Plateau for 2 weeks and spending one night at the Hamfest site overlooking GAY Street and also adjacent to the Baptist Hospital with all the traffic, horns and ambulances running about every 30 minutes, I was ready to be hog-tied. The Hamfest committee met me at the door and asked my name, rank and serial number, then they showed where I could put my goodies so I could make enough money to get back home. They sent about 6 people out to the motorhome and they took everything they could get their hands on. I didn't have anything left to carry. The bell rung and the Hamfest got under way, guess who was across the aisle from me? None other than Wayne Green.... sorry about that, but Wayne Williams, K4MOB. Being a newcomer I didn't recognize Wayne, but OLE Ray Adams came to the rescue and introduced me to him. Believe it or not I met my BOSS, Jean Geisler, W4TYU, Director of the State of Tennessee. Had a wonderful get together. All good things have their ending, so I packed about 3:00 p.m. EST and returned back to Memphis that evening. In closing fellows, the only thing I can say is that this trip was a HIGH-LIGHT in my life and amateurs was a part of it. Looking forward to another trip where the WEST can meet wonderful people in the EAST.

FCC Labeling Proposal Exempts Amateurs

In Docket 88-281, the FCC has proposed the requirement what it calls "advisory labeling" of radio receivers which can receive communications protected by the Electronic Communications Privacy Act (ECPA).

The labeling would only be required for receivers "intended for use by the general public" and all receivers or transceivers that are marketed primarily for the various licensed radio services are exempt.

The action was prompted by a petition from Regency Electronics, stating the label would be to help educate the public that certain uses of scanners could be illegal in light of the ECPA.

REP 100 Problems

Continued From Page 32

Two other problems with this system have become evident since cleaning up the transmitting chain of circuit boards. WD4COL found the COR circuit board to be RF sensitive. The repeater would kerchunk itself continuously while the transmitter was keyed, and the transmitter itself was eliminated as the cause. He solved the problem by rerouting the speaker lead coming from the COR. I have just recently discovered another problem with the squelch circuit to be RF related. Grounding the COS line, which runs from the receiver to the COR board, makes the squelch circuit behave properly, even with the transmitter keyed. Upground the lead while the transmitter is keyed causes the squelch to open up and stay open. This makes the squelch hard to set properly. The squelch setting you made today may be too tight or too loose tomorrow. These two problems may not be present in all environments. My repeater is being operated from a site shared with a commercial FM broadcast station and the squelch problem is probably caused by the high RF at the site.

These problems are not unique to the Hamtronics equipment. I had similar problems with the original VHF Engineering repeater I ran four years ago. I have heard of similar problems with other gear. Regardless, the solution is the same: reduce the gain at low frequencies, eliminate self oscillations, and use shielded and bypassed leads to interconnect the circuit boards.

The results of these modifications have been most gratifying. Before making these modifications I could not use a GaAsFET preamplifier on my Hamtronics repeater receiver while using the Hamtronics transmitter and RPA-45 amplifier. Received signals were just as masked with noise without the pre-amp as they were with it. Now it is possible to work the repeater with handhelds in places where mobiles were noisy before. Formerly on cold mornings the receiver squelch would hang up in the unsquelched state until the repeater transmitter warmed up. Now the squelch is stable. At times when the repeater activity had ceased a burst of RF was heard on frequency a few seconds after the repeater went down. This self-oscillation of the LPA 2-15R has been eliminated. My worst problem was traced to the RPA-45. My repeater was keying up and modulating other area repeaters. This was due to a high frequency oscillation in the RPA-45. The HF oscillation was mixing with the transmitted signal and was extremely strong on the input of one of several area repeaters. Which repeater receiving the interference would depend on the frequency of the oscillation at that moment. Since making the modifications on my repeater I have had no further problems of this nature.

37th ANNUAL
ROCK HILL HAMFEST

ON SUNDAY - OCTOBER 16, 1988

AT JOSLIN PARK ON LAKE WYLIE

FROM 0700 – UNTIL **TALKIN 146.43-147.03**

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FIRST: ICOM IC-735 HF Tranceiver with PS55 Power Supply

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THIRD: ICOM IC-MICRO 2AT 2-M Handheld

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PRE-REG: ICOM IC-MICRO 2AT 2-M Handheld

YOU DO NOT HAVE TO BE PRESENT TO WIN THE ABOVE PRIZES

Bingo will be held for Ladies and Children. Due to park rules and available space we will not be able to provide over-night camping spaces.

VOLUNTEER EXAMINATIONS BY CHARLOTTE V.E.C., SUNDAY, OCTOBER 16 AT 8:30 AM at Hamfest grounds. Send completed Form 610 (1989), photocopy of present license, check or money order for $4.50 fee to CHARLOTTE V.E.C., 227 Bennett Lane, Charlotte, N.C. 28213. Cut-off date October 8. Appointment tickets will be mailed. NO WALK-INS. Applicant must bring original copy of present license to place of examination.

REGISTER NOW AND SAVE! **TICKETS: AT THE GATE: $4.00 ea**
PREREGIS: $3.00 ea

Note: All Pre-Registration stubs will be held and placed in the drum for IC-MICRO 2AT drawing at 1100, then put back into the main prize drawing barrel. All requests for tickets received after Oct. 8, will be held at the Gate.

SASE PLEASE. TICKETS WILL BE HELD AT THE GATE FOR THOSE TICKET REQUESTS RECEIVED WITHOUT AN SASE.

PRE-REGISTRATION FORM - $3.00 EACH

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Street _____

City _____ State _____ Zip _____

Advance Tickets are $3.00 Each

NO. REGISTERING _____ ENCLOSED $ _____

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SASE PLEASE

Another three months have come and gone. Boy, didn't they fly past! I had the privilege of being one of SERA representatives at the Repeater Coordinators Forum at the Dayton Hamvention. The problems are so much the same in all areas yet different.

• • • •

As some of you are aware, I am also a member of the ARRL Volunteer Repeater Advisory Committee. Carter Cogle is also a member. Both Carter and myself input the views of the SERA into the questions which are brought before the committee. It has been very interesting. Through this committee, I have become aware of several items I wish to pass on to you.

First is the matter of coordinating ten meter repeaters. I don't know how to do it. There are so very few channels available and the repeaters cover such a wide area when the band is open. However, WA6SUV has come up with a scheme to minimize interference between co-channel 10 meter repeaters. If any of you are planning to put up a ten meter machine you will find it interesting reading. Drop me a note and I will send you a copy.

Second, there seems to be confusion over the proper split to use on the 1.2 GHz band. It seems that some of the band plans use 12 MHz splits and other persons insist that 20 MHz should be used. Apparently ICOM lists 20 MHZ as standard for their commercially build ham repeater. BUT on request they will crystal it and tune it for a 12 MHz split. Folks, let's stay with the published band plans and not promote another 15 vs 20 disagreement.

From around the area.

The Mountain City Repeater WD4OMO (144.87/147.47) has been off for some time. A broken guy wire caused a commercial tower to fall and one of the emergency services in Mountain City is using the WD4OMO facilities until other arrangements can be made.

• • • •

N2BVO has been transfered to another Army Base. His Clarksville repeater on 147.675/145.075 has been bought and is being moved just across the state line and will be back on with another call soon.

• • • •

Lance Lewis has bought the Mount Juliet 144.77/145.37 machine and by this time will have it operational in Nashville under the call of KI4OG.

• • • •

The Cookeville 6 Meter WA4UCE (52.19/53.19) repeater is permanently linked with the 2 Mtr. (144.83/145.43) repeater. You may hear some strange things when the band is open for six meters. A remote base for ten meters is also being constructed at Cookeville. It may already be on the air.

• • • •

I have asked Lance Lewis KI4OG to serve as an appointed Middle Tennessee Assistant. You guys in Middle Tennessee help him get the listings there straightened out. We need your input very badly. The only way Lance, Jim Larsen or myself can find out about changes or news is when you owners/operators/users give us information.

• • • •

A new Ten Meter repeater is on the air in Jackson. It is operating on 29.54 input and 29.64 output. The call is NQ4W/R. Welcome, I know that all of the West and Middle Tennessee hams will enjoy using it with the up swing in proprogation conditions.

• • • •

Another machine is being coordinated for Beech Bluff, Tenn. I didn't know where it was either until I looked it up on a big map. It is a few miles east of Jackson. The machine is now undergoing the coordination process and will probably be operational when you read this. It will have the call WB7BOX. Jim Larson, WB4KQQ, tells me that he had to coordinate with six states. (TN, MS, MO, AR, KY, and AL). Should he receive a negative reply, another pair will have to be chosen the the process started all over. It doesn't happen very often and when it does it is usually due to failure to communicate during the planning stages. Welcome to the bunch, Dick, glad to have your repeater.

• • • •

As of this writing I am planning to represent SERA at the hamfests held in Gray and Chattanooga. Jim will be attending others in his end of the state. See you there.

• • • •

Frank Tarrance's call will be on the 449.25/444.25 repeater located at Bartlett. It will be operating with an ERP of just over 100 watts. The fellows in the members area will enjoy this one.

Tennessee Minutes

— by Jean V. Giesler, W4TYU

"A Day Off"

So you want the day off. Let's take a look at what you are asking for. There are 365 days per year available for work. There are 52 weeks per year in which you already have two days off per week, leaving 261 days available for work. Since you spend 16 hours each day away from work, you have used up 170 days, leaving only 91 days available. You spend 30 minutes each day on coffee break that accounts for 23 days each year, leaving only 68 days available. With a one hour lunch period each day, you have used up another 46 days, leaving only 22 days available for work. You normally spend 2 days per year on sick leave. This leaves you only 20 days available for work. We are off for 5 holidays per year, so your available working time is down to 15 days. We generously give you 14 vacation days per year which leaves only 1 day available for work and I'll be darned if you're going to take that day off!!

— from MATPARC Newsletter
Author Unknown

Fiber Optics New Bern Topic

— by Rudolf Friederich, AB4FW

Fiber optics was the subject of a recent meeting of the New Bern Amateur Radio Club. Carolina Telephone transmission engineer, Norman C. Moseley, was guest speaker at a meeting held at Berne Restaurant. A slide presentation was made followed by a short lecture and question and answer period.

Moseley stated that fiber optics will eventually replace the copper wire lines in existence. He cited lower maintenance costs, better resistance to outages, less visible and security as some of its advantages.

His presentation developed the digital computer basis used in fiber optic transmissions.

Moseley himself is a veteran radio amateur holding an extra class license, W4YVY.

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Virginia Beach To Host ARRL Roanoke Div. Convention

The 1988 ARRL Roanoke Division Convention and 13th Annual Hamfest/Computer Fair will be held at the Virginia Beach, Virginia PAVILION on Saturday and Sunday, September 17 and 18, 1988. This beautiful indoor, air-conditioned facility along with a well-presented show is one of the very finest events on the east coast. Don't miss seeing all the latest equipment that will be presented by ALINCO, ICOM, KENWOOD and YAESU. In addition, there will be a full complement of dealers for both Amateur Radio and Computer equipment.

Also featured will be a gigantic flea market, two days of various forums on DXing, computers, SWLing, ARRL related subjects and plenty of programs to entertain the XYL and children. This will also be a great time to visit the nearby beach and historic sites.

ARRL VEC license upgrade exams will be given Saturday from 10:00 a.m. to 3:00 p.m. No registration necessary, just bring your original present license and a check for $4.55 payable to ARRL/VEC.

Show times are 9:00 a.m. to 5:00 p.m.

For information call or write Manny Steiner, K4DOR, 3512 Olympia Lane, Virginia Beach, Virginia, 23452; telephone (804) 340-6105.

"Yankee" Traveler Writes To Journal

Dick Eressy of Hyannis, Mass. recently wrote the editor of the Repeater Jounral in reference to a recent trip to North Carolina, and overhearing the SERA News Net while at a camp ground. Here is his letter in part:

Dear Wayne!!

It was back in April, I was traveling through the beautiful tarheel state, and camping out in the KOA campground near Greensboro, when I was listening to the 2-meter rig and came across the Wednesday night SERA news net! Was thoroughly impressed!! So much so I wrote down the accress you gave on the net, but it wasn't until tonight while vacuuming out the car when I came across the paper with your address on it!!!

I was very impressed with North Carolina, so much in fact, that I intend to move down that way within the next 2 years. Age here is 49. . . am a radio announcer and Chief operator at a radio station here. Been in the broadcasting field since 1957, and only 2 and a half years a ham. Past President of the Barnstable RC here on Cape Cod. Work only CW and RTTY on HF, and RTTY, CW & FM on 2, SSB and CW on 6 and FM on 220. . . and a member of ARRL.

The typing is on an old Western Union ASR28 teletype machine interfaced with a RBO Robot 800. Love the old stuff!

Anyhow, would you be so kind as to send me a copy of your SERA Repeater Journal, so I may share it with the guys in the club. . . .

Looking forward to getting down that way again!!! Very best 73 and cul!!!

— Dick

(Editor's Note) We appreciate your comments Dick, and we're seeing that you will get this copy of our Repeater Journal. We "Southerners" cannot blame you for wanting to come down here and retire. . . lots of others do it. SERA is the "heart" of this USA, and we're all proud of our states.

SPRUCE PINE, N.C. HAMFEST

SATURDAY, SEPTEMBER 24, 1988 9:00 - 5:00 P.M.

AT

HARRIS MIDDLE SCHOOL

(1/4 MILE OFF HWY. 19E ON GREENWOOD ROAD IN SPRUCE PINE)

Sponsored By The Mayland Amateur Radio Club

HAMFEST AREA ENCLOSED - NO PROBLEM RAIN OR SHINE!

FCC EXAMS - ALL CLASSES 10:00 A.M. (WALK-IN'S OK)

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REPEATER-CLUB-NET SERVICE PAGE

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Club, ARRL, ARES, DX, FCC Information

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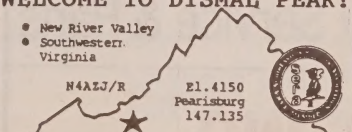
- Southwestern Virginia



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REPEATER JOURNAL ADVERTISING RATES

Effective 1 January 1987

The Repeater Journal is a 3 column magazine with overall page dimension of 8½ x 11 inches. Our page size enables a wide variety of ad sizes from full page down to one column inch size.

Column Widths are 1 col: 2-1/4-in., 1-1/2 col: 3-1/2-in., 2 col: 4-5/8-in., 3 col: 7-1/8-in. Ad widths will be based only with the specified column widths.

DEADLINES: New advertising copy or ad changes must be in the hands of our Advertising Manager no later than the 20th of the month on the 2nd month prior to publication. We cannot guarantee insertion of ads after deadline, although every effort will be made to accomodate.

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FEB. Issue–Dec. 20 MAY Issue–Mar. 20
AUG. Issue–June 20 NOV Issue–Sep. 20

Advertising copy MUST be mailed to: REPEATER JOURNAL ADV. MANAGER, SHARON WARD, 5573 Vienna-Dozier Rd., Pfafftown, N.C. 27040.

The CVRA REPEATER JOURNAL cannot be responsible for errors in advertising, or held accountable for equipment or accessories that do not live up to the advertised claim. We are not responsible and cannot guarantee insertion of advertising received after deadline.

CVRA REPEATER JOURNAL advertising rates apply to exact size, camera ready copy. We can provide typesetting and reduce art for your ad at our cost. Composition and typesetting for full page ad approximately $25 to $28. Half page ad from $12 to $15. Reduction of artwork for ad with no type needed is $4.50. COLOR: One additional spot color, on available color pages is available for an additional $25.00 charge per ad. FULL COLOR: Is available on the inside Front and inside Back covers. 100-130 Line separation negatives, right reading, emulsion down are required. No extra charge for full bleed. Due to Journal width being 1/4-in wider than national magazines, the color will bleed to outer edge, with a color stripe on inner edge of page, if separations do not fill width.

The Repeater Journal layout size is very close to most National magazines. If you wish to use a page from one of the magazines, to promote your product, we can reshoot on the camera, insert your store name and customize for your particular application. Be sure to submit a clean, unwrinkled copy of the magazine page.

Contract advertising may be billed quarterly at the request of Advertiser. No volume discounts or contract discounts are available. It is the advertisers responsibility to cancel or request changes in advertising at the time he pays his bill, or before ad deadline, otherwise, advertising will be repeated until further notice.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. Advertisers who have not paid for previously published advertising before upcoming issue deadline, cannot have any advertising inserted until account is paid in full.

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1/4 Page (Vertical Only)	3-1/2" x 4-3/4"	28.00
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You Will Receive the Next Journal

RJ 8-88

Support Your Official COORDINATOR! Join SERA Today!

Make a copy of this application and pass it to a friend. Encourage him to help support the coordination council that for 17 years has worked to keep your repeater in the clear. Your membership guarantees a continuation of this work. Associate Members (repeater users) will receive the REPEATER JOURNAL quarterly. If you are a present Associate Member, you may use this application to renew, change address, or change callsign.

Deadlines for membership are the 15th of the month prior to Publication, to receive the next upcoming Journal. (Jan. 15, Apr. 15, Jul. 15 and Oct. 15). Applications received after deadline will receive the next Journal 3 months away.

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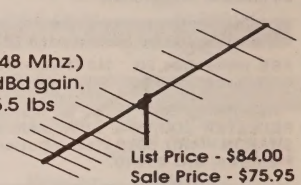
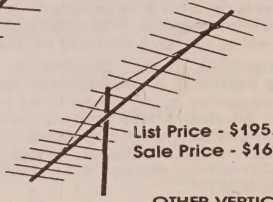
144-146 (usable 143.148 Mhz.)
11 elements with 12.5 dBd gain.
Boom Length 15.4 ft. 5.5 lbs



List Price - $84.00
Sale Price - $75.95



List Price - $195.00
Sale Price - $169.95

2M-16LBX

144-146 (usable 143-148 Mhz.) 16 elements with 13.2 to 14.5 dBd gain. Boom Length 28 ft. 10 lbs. 2-1/8 mast.

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2M-4X - 4 elements (end mt.) 8.5 dBd. (List $62) .. $55.95

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2M-14C - 14 elements, 11 dBdc (List $164) $149.95

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JV-2 60 in., 144-148 Mh. 5 db/gr pl. (List $112) $99.95
JV2X 11-ft., 144-148 Mh. 7 db/gr pl. (List $153) ... $129.95

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220-7 - 7 elements, 8.8 dBd, (List $76) $67.95
220-14X - 14 elements, 13.5 dBd, (List $109) $95.95
220-22LBX - 22 elements, 15.6 dBd, (List $137) ... $125.95
JV-220X - 88-in VERTICAL 7 dB/gr pl, (List $141) ... $124.95

432 BEAMS

432-20 LBX - 20 elements, 15.3 dBd, (List $146) ... $129.95
432-30 LBX - 32 elements, 17.3 dBd, (List $169) ... $149.95

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435-18C - 18 ele. 12 dBdC, w/CS-2 sw (List $214) . $189.95
435-40CX - 40 ele. 15.2 dBdC, (List $251) $229.95

440-450 FM BEAMS

440-6X - 6 elements, 8.9 dBd, (List $55) $49.95
440-10X - 10 elements, 10.2 dBd, (List $65) $59.95
440-27 - 27 ele., 13.5 dBd 12-ft. boom (List $120) .. 105.95
JV-440X - 420-470 VERT., 7 db/gr pl. (List $122) ... $109.95

6-METER BEAMS 6M-7LB shipped via truck from KLM)

6M-5 - 5 ele., 9.7 dBd, 11-3/4 ft. boom (List $202) . 169.95
6M7(LD) - 7 ele., 10.5 dBd, 20 ft. boom (List $230) 199.95
6M-7LB-6 ele., 11.5 dBd long 25-3/4 ft. boom ($293)254.95

Please add $2.00 shipping to items listed above. N.C. residents add 5% sales tax. Provide UPS shipping address, for phone CODs, add $2.50. Prices subject to change without notice, or obligation. NO Credit cards.

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JV-6 - 6-Meter, 50-54 Mhz. 5 db/gr pl. (List $109) .. $99.95
JV-10 - 10M, 27-30 Mhz. 3 dB/gr pl. (List $102) $89.95

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KT-34A TRI-BAND 7 dBd, 4 el-16 ft boom (List $484) . $419
KT-34XA TRI-BAND 8.5-11.3 dBd, 6 el, (List $687) $599

HF MONOBEAMS (Drop-Shipped From KLM)

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10M-4 - 7.7 dBd, 10 ft boom, 4 el., (List $203) $179
15M-6 - 11 dBd, 36 ft boom, 6 el., (List $524)..... $449
15M-6LD-10.5 dBd, 36 ft boom, 6 el. (List $393) $339
15M-4 - 7.7 dBd, 14 ft boom, 4 el (List $221) $189
20M-6 - 11 dBd, 57 ft boom, 6 el. (List $931) $789
20M-5 - 9.7 dBd, 42 ft boom, 5 el. (List $647)..... $559
20M-4 - 7.7 dBd, 21 ft boom, 4 el. (List $417)..... $349
40M-4 - 7.2 dBd, 42 ft boom, 4 el. (List $935)..... $799
40M-3A - 6.5 dBd, 32 ft boom, 3 el. (List $703) $599
40M-2A - 4.9 dBd, 16 ft boom, 2 el. (List $493) $419
40M-1 Dipole, 23 ft boom, 1 el. (List $202)..... $169
80M-3 - 7.0 dBd, 60 ft boom, 3 el. (List $3731) $3199
80M-2 - 4.0 dBd, 36 ft boom, 2 el. (List $2513) $2154
80M-1 Dipole, 90 ft. element 1 el. (List $763)..... $649

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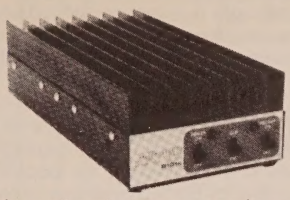
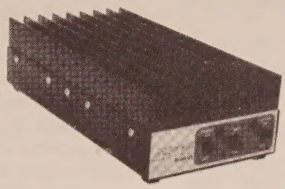
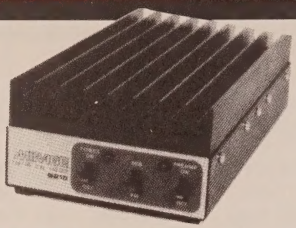

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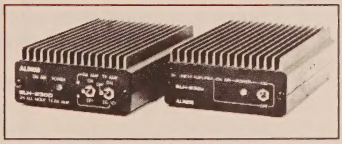

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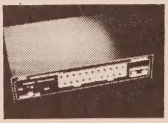

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Mecklenburg ARS Hosts Roanoke Division LPM-88

— by John Kanode, N4MM
Roanoke Div. Vice Director

The 1988 Roanoke Division League Planning Meeting was held at the Registry Hotel in Charlotte, N.C. on May 14 and 15 and was hosted by the Mecklenburg Amateur Radio Society.

In attendance were the four Section Managers, appointees, assistant directors, club representatives, interested amateurs, an ARRL Hq. staff representative and the division director and vice director.

The meeting was opened by Bod Darke, W4MHF, LPM-88 Chairman, followed by Wilton McAllister, WB4PCS, Mecklenburg ARS President. After the introductions were made, Division Vice Director, John Kanode, N4MM covered the purpose of the LPM and procedures on making resolutions. Director Gay Milius, W4UG gave the state of the division presentation which was very informative.

The section managers and their appointees gave presentations on activities within their sections. Items such as emergency preparedness, traffic, public information on Amateur Radio, affiliated clubs, packet, NTS and ARES/RACES were presented and discussed.

During the afternoon break, Charlie Wright, W4PED tood the traditional LPM group photo. Many thanks to Charlie for doing this nice service for many years.

Roger Burt, N4ZC, QSL Bureau Manager gave an excellent status report on the two ARRL outgoing QSL bureaus and covered information on how to properly use the bureau.

An FCC update was presented by John Kanode, N4MM. Recent developments on PRB3, 87-14 (220Mhz issue) and the proposed rewrite of the Amateur rules were covered and discussed. Other FCC related subjects were also mentioned.

The next session, one of the highlights of the LPM, was conducted by Rosalie White, WA1STO from ARRL Headquarters. Rosalie did a superb job of covering many aspects of activities and actions that take place at our Headquarters in Newington, Ct. An open Q and A followed her formal remarks and many subjects were discussed.

The final activity for the Saturday meeting was a barbecue cookout at the hotal pool patio area. The food was plentiful and good and everyone had an opportunity to meet and chat with each other. It was a fine social event with nice weather to boot.

At 9 AM on Sunday the meeting continued with Bod Darke starting with some important info. We were glad to have Honorary Vice President Phil Wicker, W4ACY and his wife, Alice, WA4ZMA with us for this part of the meeting. Follow up on section manager reports were given along with some appointees completing their reports.

Reports and activities of the five ARRL board advisory committees were reviewed by John Kanode, N4MM. The biggest activity being that of the DXAC with the creation of new single band DXCC awards and other changes to the DX program.

The final session at the LPM was the open forum and resolutions. Sixteen resolutions were presented and approved for possible motions at the July ARRL board meeting or for ARRL Hq staff action items or for Roanoke Division Director action.

Some of these resolutions were:

- A greater coordination between National Traffic System and the National Packet System and that workable guidelines and procedures for integrating packet mode into the NTS be created.
- NTS publications and instructions to net managers stress the need for liaison from section NTS nets to gateway PBBS in the section.
- Section Managers receive a copy of all correspondence mailed to section level appointees and that the ARRL letter be furnished at no cost to all section level appointees.
- The VEC program incorporate a system or method where successful candidates are informed of the questions that they did not answer correctly. The reason is to insure that new licensee do not leave with a misconception of the rules and regulations.
- A packet of the forms contained in the new edition of the emergency coordinators handbook be made available in full size (8½ x 11) ready for duplication by the local EC or have an ample supply already printed available by order.
- An ARES operations manual be developed on the Do's and Don'ts of emergency communications. This would be a users manual aimed at the emergency management official who has decided to use Amateur Radio.
- The ARRL provide liability insurance (blanket policy) to all enrolled ARES operators.
- The ARRL revaluate all existing National MOU's and address the issue of liability insurance. Such as what agencies have coverage for Amateurs and under what conditions it is activated.
- At future Roanoke Division LPM's. reports be sought from PIO's and that all ARRL appointees who attend a LPM are given a spot on the program to speak or to present a report. The Section Manager would coordinate this activity.
- ARRL support and suggest that local clubs develop novice classes for public access channels of cable TV companies.
- At division and national level meetings, conventions and hamfests there be forums on effective public relations for Amateur Radio, especially for affiliated clubs.
- ARRL open its board of directors meetings to any member, this to include the allowing of video and audio tape recordings. Any matter requiring secrecy may be done in executive session.
- The ARRL on a national basis coverage make a clear plain english writing on RACES/ARES and their relationship to each other.

After all the resolutions were made, final remarks were made by Rosalie, Gay and John. Our thanks to the Mecklenburg ARS and its members for hosting the 1988 LPM. It was well planned and the facilities were perfect. A job well done. If any affiliated club in the Roanoke Division would like to host the 1989 LPM, please contact Gay or John. Many thanks to all those who participated in LPM-88.

ARRL SPECIAL SERVICE CLUBS stand out! Is You club a Special Service Club? For more information, write your ARRL Director or Vice-Director. See ARRL Ad this issue for Director's name and address.

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Coming Events

SERA REPEATER JOURNAL CALENDAR OF EVENTS

AUGUST, 1988

7....Winchester HF, BERRYVILLE, VA.
7...Jax County Hamfest, RIPLEY, WV.
13-14.....Hamfest. HUNTSVILLE, AL.
20-21.....Hamfest, MADISON, GA.

SEPTEMBER, 1988

2-4..ARRL SW Div.Conv. ANAHEIM, CA.
3-4.....Hamfest, SHELBY, N.C.
9-11..ARRL Nat Conv., PORTLAND, OR.
11....FAR Hamfest, GAITHERSBURG, MD.
17-18...Roa.div Conv., VA.Beach, Va.
24.....Hamfest, SPRUCE PINE, N.C.

OCTOBER, 1988

1....TARA Hamfest, HUNTINGTON, WV.
14-16.Ham Com-Vention, HOUSTON, TX.
16.....Hamfest, ROCK HILL, S.C.
22-23...Georgialina HF, AUGUSTA,GA.
29-30....Hamfest, CHATTANOOGA, TN.

NOVEMBER, 1988

5-6... Expo '89, LAWRENCEVILLE, GA.
5-6*.....Hamfest, LES VEGAS, NV.
5-6*..Hamfest, FT. LAUDERDALE, FL.
6.....Hamfest, CONCORD, N.C.
12-13*.....Hamfest, MONTGOMERY, AL.
19.....Hamfest, SUMTER, S.C.
19-20*..Hamfest, ST. PETERSBURG, FL.
19-20*...Hamfest, W. PALM BEACH, FL.
26-27.....Hamfest, GREENSBORO, N.C.

(Please note: Hamfest dates marked with an asterisk (*) are NOT confirmed. Hamfest sponsors are urged to get their correct show dates to the Repeater Journal editor as soon as possible. Unconfirmed dates are based on information from the previous year's show date. The Repeater Journal assumes no responsibility for incorrect dates, whether they be from lack of information, or from typographical errors in typesetting and printing.)

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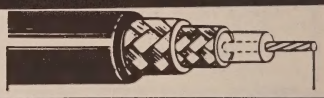
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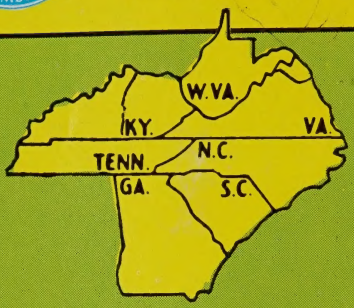

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